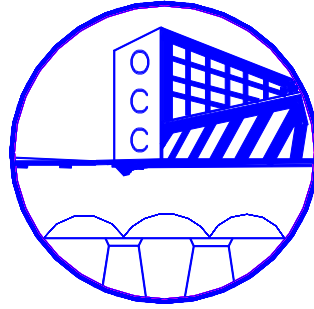


ODISHA CONSTRUCTION CORPORATION LTD.
(A Government of Odisha undertaking)
REGIONAL WORKSHOP,JEYPURE, KORAPUT -764002 (ODISHA)
Tel. Phone/Mobile No :
e-mail:smregionalworkshop@gmail.com
GSTIN- 21AAACO2571K2ZM



DESIGNED TO EXCEL

No: OCCL/RWS/01/2023-24 Dated.18.07.2023

Name of Work :

“Renovation of Electrical arrangement for power supply & illumination of the Hoisting arrangements of 10 (Ten) Nos. of Spillway Radial Gates of Balimela Dam Project at Chitrakonda”

Sd/-

**Senior Manager (Mech.)
Regional Workshop, Jeypore**

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore,Koraput-764002 (Odisha)



ODISHA CONSTRUCTION CORPORATION LTD.

(A Government of Odisha undertaking)

REGIONAL WORKSHOP,

JEYPORE, KORAPUT – 764002 (ODISHA)

Tel. Phone/Mobile No :

e-Mail: smregionalworkshop@gmail.com

GSTIN- 21AAACO2571K2ZM

NOTICE INVITING TENDER (NIT)

Notice No.: OCCL/RWS/01/ 2023-24 Dated.18.07.2023

1. On behalf of M/s. Odisha Construction Corporation Ltd. (“OCCL”), the Senior Manager (Mechanical), Regional Workshop, Jeypore, Koraput, Odisha invites sealed bids in **Single cover** system for execution of the following work. The bidder must be having EHT / LT (M.V) license and having experience on MV erection & installation work.

Sl. No.	Name of work	Cost of bid document + CGST @ 9%+ SGST @ 9% (in Rs)	Period of completion	E.M.D	Class of Bidder
1	Renovation of Electrical arrangement for power supply & illumination of the Hoisting arrangements of 10 (Ten) Nos. of Spillway Radial Gates of Balimela Dam Project at Chittrakonda	7,080/- (Non-refundable)	60 Days	1% of Quoted value	EHT / LT (M.V) license

2. Interested bidders may purchase the tender documents from **From 19.07.2023, 10.00 A. M. to 04.08.2023, 5.30 P.M.** within office hours in the office of Senior Manager (Mech.), Regional Workshop, Jeypore at Irrigation Colony, OCC Building, on deposit of Tender paper costs indicated in the table above. The tender document may also be downloaded from the OCCL website www.odishaconstruction.com or Govt. website www.odisha.gov.in. However, the cost of tender document must be deposited with the bid in shape of account payee Demand Draft drawn on any Nationalized Bank/Scheduled Bank payable at Jeypore (Odisha) (Non-refundable) in favour of **“Odisha Construction Corporation Ltd., Project Account”**, otherwise, the bid will be cancelled. OCCL will not be responsible for missing of any pages, while downloading the tender documents.

3. Procurement Details:

Tendering Officer	Sale Start Date	Sale End Date	Last Date of Submission	Date & Time of opening of Bid
1	2	3	4	5
Senior Manager (Mech.), Regional Workshop, Jeypore	From 19.07.2023, 10.00 A. M.	Upto 04.08.2023, 5.30 P.M.	Upto 05.08.2023, 11 A.M.	05.08.2023 At 11.30 AM

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

4. The bid document must be submitted in the office of **Senior Manager (Mechanical)**, Odisha Construction Corporation Ltd., Regional Workshop (Irrigation Colony, OCC Building), Jeypore, Koraput, Odisha, which will be received **up to 11 A.M. on 05.08.2023** and will be opened on **05.08.2023 at 11.30 A.M.** at the same venue in the presence of the bidders or their authorized representatives, if so they desire. If the last date of submission & received of bid and opening of bid happens to be a holiday, the date will be deferred to the next working day, however, the time and venue shall remain unaltered. The undersigned shall not be responsible for any kind of delay by postal authorities.
5. The bidder preferably should have executed similar nature of work (MV erection & installation work) in the past. Work order and work completion certificate from the existing agency must be furnished with the bid. However the decision of OCCL regarding qualifying criteria of the bidder is final and binding on the bidder.
6. The date of receipt and opening of bid documents may be extended before scheduled date of receipt & opening of bids if required on exceptional circumstances only.
7. The bid document must be submitted to the **Senior Manager (Mech.), Odisha Construction Corporation Ltd., Regional Workshop (Irrigation Colony, OCC Building), Jeypore, Koraput, Odisha, PIN-764002** in a single cover on or before **11 A.M. on 05.08.2023**. The Bid will be opened on **05.08.2023 at 11.30 A.M** in the presence of the bidders, who may like to be present. If there will be a public holiday on the last date of receipt & opening of the bids as specified above, the bid document will be received & opened on the next working day at the same time and venue. The undersigned shall not be responsible for any kind of delay by postal authorities. Bids received without **Earnest Money Deposit** will be out rightly rejected.
8. Intending bidder(s) are required to furnish the following documents with **bid document**
 - (i) Complete bid document duly filled-in, signed & stamped on each page.
 - (ii) Earnest Money Deposit @1% of Quoted value by bidder.
 - (iii) Cost of tender document.
 - (iv) Copy of up-to-date valid GST.
 - (v) Copy of valid registration certificate with Employees Provident Fund Authority.
 - (vi) Copy of valid ESI registration certificate
 - (vii) Copy of PAN card.
 - (viii) Copy of valid labour license (The bidder is required to furnish necessary labour license, issued by competent authority before commencement of the work.)
 - (ix) Copy of valid enlistment certificate of Occl.
 - (x) Copy of document indicating residential address.
 - (xi) Affidavit duly registered before NOTARY regarding authenticity of documents (**Annexure-D**),
 - (xii) No Relation Certificate (**Annexure-E**), Structure and organization (**Annexure-C**)
 - (xiii) Undertaking to pay minimum wages (**Annexure-F**), Undertaking of bidder (**Annexure-B**)
 - (xiv) Copies of documents on credentials in support of execution of similar nature of work.
 - (xv) Copy of valid EHT / LT (M.V) license.
 - (xvi) Detail planning of men, machinery and materials for execution of tendered work.

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

9. Quantity in the tender schedule is tentative and may vary as per drawing and payment shall be made accordingly.
10. Tender through Fax/Telex/Telegram/e-mail will not be accepted.
11. The authority reserves the absolute right to accept or reject any or all tenders and to split up works to award to one or more tenderers without assigning any reason thereof.
12. The intending bidder is to quote rates in enclosed original price schedule format only.
13. The successful bidder shall have to execute the work as per scope of work, relevant drawings, technical specifications, terms and conditions of agreement and direction of Engineer-in-charge.
14. The bidder registered under NSIC/MSME for participation in tender are not entitled for exemption from payment of Security Deposit /Tender paper cost as per provision exist in O.P.W.D code and amended by Govt. of Odisha, Department of Water Resources.
15. The validity of bid should be for a period of **90(Ninety)** days from the date of opening.OCC Ltd. may ask for further extension of validity if required without any price rise.
16. If the intending bidder is an individual, the documents shall be signed by the individual above his full type written name and current address.
17. If the intending bidder is a firm in partnership, it shall be signed by a partner holding the power of attorney for the firm in partnership in which case a certified copy of power of attorney shall accompany in the pre-qualification documents.
18. If the intending tenderer is a limited company or Corporation, it shall be signed by a duly authorized person holding the power of attorney in which case certified copy of power of attorney shall accompany.
19. 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 Court at Bhubaneswar only.

Sd/-

**Senior Manager (Mech.)
Regional Workshop, Jeypore**

Memo No: OCCL/RWS/333(WE)(2)

/Dated.

Copy submitted to the Managing Director/ Director (Mechanical), OCC Ltd., Unit-VIII, Gopabandhu Nagar, Bhubaneswar-751012 (Odisha) for favour of kind information and necessary action.

Encl: Tender Call Notice

Sd/-

Senior Manager (Mech.)

Memo No: OCCL/RWS/334(WE)(2)

/Dated.

Copy submitted to the General Manager (Mechanical), H.O., OCC Ltd., Unit-VIII, Gopabandhu Nagar, Bhubaneswar-751012 / General Manager (Mechanical), Erection & Maintenance, OCC Ltd., Central Workshop Premises, Rasulgarh, Bhubaneswar-751010 (Odisha) for favour of information and necessary action .

Sd/-

Encl: Tender Call Notice

Senior Manager (Mech.)

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore,Koraput-764002 (Odisha)

Memo No: OCCL/RWS/335(WE)

/Dated.

Copy along with soft copy forwarded to the Senior System Manager, System Business Division, OCC Ltd., Unit-VIII, Gopabandhu Nagar, Bhubaneswar-751012 for hosting of Tender Call Notice & DTCN in Website of OCCL www.odishaconstruction.com by 22.07.2023.

Sd/-

.Encl: Tender Call Notice & DTCN

Senior Manager (Mech.)

Memo No: OCCL/RWS/336(WE)

/Dated.

Copy along with soft copy forwarded to the Technical Head, State Portal Group, IT Center, Secretariat, Department of Information & Technology, Bhubaneswar vide E-mail : tendersorissa@gmail.com for hosting of Tender Call Notice & DTCN in Govt. of Odisha Website www.odisha.gov.in by 22.07.2023.

.Encl: Tender Call Notice & DTCN

Sd/-

Senior Manager (Mech.)

Memo No: OCCL/RWS/337(WE)

/Dated.

Copy submitted to the Superintending Engineer, Earth Dam Division, Balimela Dam Project, Chitraonda vide E-mail : executiveengineereddckd@gmail.com for favour of information.

Encl: Tender Call Notice

Sd/-

Senior Manager (Mech.)

Memo No: OCCL/RWS/338(WE)(3)

/Dated

Copy to Notice Board of Head Office, OCCL / Notice Board of Central Workshop, OCCL / Notice Board of Regional Workshop, OCCL.

Encl: Tender Call Notice

Sd/-

Senior Manager (Mech.)

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

EMD AND DOCUMENT DEPOSIT PARTICULARS**DETAILS OF EARNEST MONEY DEPOSIT AND DOCUMENTS SUBMITTED ALONG WITH TENDER**

1. EMD amount Rs. _____ In words _____
only vide A/C Payee D.D. / B.C./ Pay Order No. _____ Dated _____ issued by
_____ Bank, _____ Branch
_____.
2. GST 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 :

Full signature of "Bidder" with date and seal

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

UNDERTAKING OF BIDDER

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 tender 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 tender document.

Full signature of "Bidder" with date and seal

Present address for correspondence:

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

FORM – A
STRUCTURE AND ORGANISATION

1. Name of Bidder
 2. Nationality of Bidder
 3. Office Address
 4. Telephone No.
 - Land phone
 - Mobile
 - Fax No
 - e-mail id
 5. Location of establishment
 6. The Bidder is
 - a. An individual
 - b. A proprietary firm
 - c. A limited company or limited corporation
 - d. A member of a group of companies (If yes, give names, address and present description of other companies.
 - e. A subsidiary of large organization
(If yes, give names, address of the present organization)
 - f. If the company is subsidiary state what involvement if any, will the parent company have in the project.
- Attach the organization chart showing the structure of the organization including the names of the Directors position of officer.
7. Number of year of experience
 - a. As a prime Contractor
 - I In own country
 - II Other country (specify country)

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

(AFFIDAVIT)

(To be submitted in original in legal stamp paper duly registered)

1. The undersigned hereby certifies that, all the statements made in the required attachments are true and correct. If any of the documents uploaded by us is found to be false and fabricated, then appropriate action as deemed fit as per the law of land may be initiated against us.
2. The undersigned also hereby certify that, neither our firm _____ nor any of its construction partners have abandoned any **Electrical** or other project work in India nor any contract awarded to us for such works have been rescinded during the last five years prior to the date of this bid.
3. The undersigned hereby authorized and request (s) bank, firm or Corporation to furnish pertinent information as deemed necessary and as requested by the Corporation to verify this statement or regarding my (our) competency and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested and agree to furnish any such information at the request of the Corporation.

(Signed by an Authorized of the firm)

Title of Officer

Name of Firm

Date.

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

CERTIFICATE OF NO-RELATIONSHIP

I/We hereby certify that I/We am/are not related to any officer of Govt. of Odisha/OCC Ltd of the rank of Asst. Executive Engineer and above and any officer of the rank of Under Secretary and above in the W.R. Department. I/We am/are aware that if the facts subsequently proved to be false my/our contract will be rescinded with forfeiture of EMD & security deposit and I/We shall be liable to make good the loss or damage resulting from such cancellation.

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

Signature of the Bidder

Name _____

Address _____

Date : _____

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

UNDERTAKING TO PAY MINIMUM WAGES

We do hereby undertake that, we shall pay wages of each labour at the rate not less than the wages as per Minimum Wages Act in force during the time of execution and as may be amended from time to time. The "Engineer-in-Charge" has the right to enquire into and decide on any complaint of the Labourers relating to non-payment or less payment of wages to them and his decision will be final and binding on us.

Signature of the Bidder

Name _____

Address _____

Date : _____

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (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 OCCL at work site for the work including the Senior Manager (Mech.), OCCL, Regional Workshop, Jeypore, Koraput-764002, (Odisha).
- (iii) **“BIDDER/JOB-WORKER”** means the enlisted person/firm/ Organisation having men, machinery, materials etc. to execute the work satisfactorily as per scope indicated herein within stipulated period.
- (iv) **“CLIENT”** means the State Govt. or Central Govt. organization or any individual from whom “OCCL” has received the work for execution.

2. AGREEMENT

The “Bidder” 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 work may be awarded in favour of some other agency at the discretion of the “Corporation” and the bidder will be suspended from being eligible for bidding/award of all future contract(s) of OCCL/ Government of Odisha for a period of three year from the date of committing such breach.

3. RATE

The rate quoted by the “Bidder” is to be indicated in Rupees, 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 “Bidder” should be firm for the entire period of execution.

The “Bidder” shall quote the rates to complete the works as per specifications inclusive of all transportation, handling, loading, unloading, 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.

The bidder will quote their basic rates (Excluding GST) in Tender Schedule GST as extra will be paid to the successful bidder as per the prevailing rules

4. PAYMENT TERMS

- (i) No advance, no price escalation and no price adjustment shall be paid for the work. The rates shall remain firm throughout the agreement period.
- (ii) The payment to the “Bidder” shall be limited to the measurements taken and accepted by the client. The “Bidder” cannot raise any dispute over the measurements allowed by the “Engineer-in-Charge” for the purpose of payment. The quantity shown in the Bill of quantity is maximum and approximate, however as per actual quantity of work jointly certified by the client and OCCL, payment will be made. The Payment will be made to the Bidder either in R/A Bills or Final Bill for those Items which are completed as per Price Schedule.
- (iii) 90(Ninety)% payment shall be made only after completion of work at site against submission of bills by the “Job-worker” and verification by the “Engineer-in-Charge” & balance 10(Ten)% payment shall be made after 60 (sixty) days of satisfactory performance of work.
- (iv) The Bidder will bear the full cost of rectification or replacement of works required as per direction of “Client” or “Engineer-in-Charge”.

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

- (v) Any penalty levied by "Client" on "OCCL" due to delay in work will be borne by the "Bidder" in full, if the "Bidder" is responsible for delay.

5. SECURITY DEPOSIT

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.

6. 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 Tenderer 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. WITHHELD AMOUNT FOR EPF, FPF AND ESI DUES

2 (Two) % shall be deducted and kept withheld from R.A. bills of the "Job-Worker" towards EPF, FPF and ESI dues. If the "Job-Worker" produces clearance in support of deposit of EPF, FPF and ESI dues with the concerned authority within 3(Three) months from the end of each financial year, the above withheld amount shall be released. Otherwise, the "Corporation" shall deposit the same with Provident Fund Authority and ESI Authority. Defects, if any, shall be recovered from the "Job-Worker".

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. No VAT on works contract shall be levied from the bills of "Job-Worker". However, the "Job-Worker" shall bear GST on materials procured by him. 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, cement, steel materials etc. 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".

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, cement, steel materials etc. issued to him by the owner and "Corporation". The materials, plants, machinery, equipments, tools, tackles cement, steel materials etc. shall be issued as per requirement and availability only.

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 materials to site of work and storage at site are the responsibility of the "Job-Worker".

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.

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

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

The plants, machinery, equipments, tools, tackles, excess cement, 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 cement, steel materials, balance 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/CUT PIECE RODS

The scrap steel materials/cut piece rods 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 will be provided by OCCL at the work site. On unavailability of electricity, OCCL shall provide DG along with operator and POL for the work at site.

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.

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.

Signature of the Bidder
or his Power of attorney holder with date
full name, designation and official seal

Senior Manager (Mechanical),
OCCL, Regional Workshop,
Jeypore, Koraput-764002 (Odisha)

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. LABOUR LICENCE

The "Job-Worker" has to obtain valid labour license and maintain all records at his own cost as per the conditions laid down in the labour rules in vogue and amended from time to time.

22. MINIMUM WAGE ACT

The "Job-Worker" shall pay wages of each labour at the rate not less than the wages as per Minimum Wages Act in force and as may be amended from time to time. The "Engineer-in-Charge" has the right to enquire into and decide on any complaint of the labourers relating to non-payment or less payment of wages to them and his decision will be final and binding on the "Job-Worker".

23. NON-PAYMENT OF DUES OF LABOURERS

If the "Job-Worker" fails to pay the dues of labourers engaged by him for this work in time, the same shall be paid by the "Engineer-in-Charge" directly to the deserving workers. The expenditure so incurred on account of non-payment or less payment shall be recovered from the bills or any other dues of the "Job-Worker".

24. PROVIDENT FUND (PF)

Employees Provident Fund., wherever applicable, shall be payable by the "Job-Worker" as per the Provident Fund Rules in force and shall keep the "Corporation" indemnified for it. He should get the registration number for this from the Regional Provident Fund Commissioner, Odisha. He shall produce the records in support of payment of EPF/FPF dues to the "Engineer-in-Charge" for check and record by the "Engineer-in-Charge".

25. EMPLOYEES STATE INSURANCE SCHEME (ESI)

The Employees State Insurance Scheme(ESI), wherever applicable, shall be payable by the "Job-Worker" as per the E.S.I. Rules in force and shall keep the "Corporation" indemnified for it. He should get the Registration Number for this from the E.S.I. Deptt., Odisha. He shall produce the records in support of payment of ESI dues to the "Engineer-in-Charge" for check and record.

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26. WORKMEN INSURANCE

The workmen insurance shall be the responsibility of the "Job-Worker". He shall produce the records in support of workmen insurance to the "Engineer-in-Charge" for check and record.

27. HUTMENTS/TEMPORARY ACCOMMODATION

The "Job-Worker" has to arrange hutments/temporary accommodation for his own labourers/ workmen at the work site at his own cost.

28. IDLE LABOUR

"OCCL" will not be held responsible for idle labourers of the "Job-Worker" for any reason, whatsoever and no claim on this account will be entertained.

29. WORKING IN SHIFTS

If necessary, the "Job-Worker" may be asked to work in two(2) or 3(three) shifts. Normally, the work shall be executed in shifts. The "Job-Worker" may, if required, have to engage the workmen on overtime to complete the work in scheduled time. The overtime cost shall be borne by the "Job-Worker".

30. CLAIMS AND LIABILITIES

All claims/liabilities etc. arising out of Explosives act and labour laws shall be borne by the "Job-Worker" and he shall keep the "Corporation" indemnified against them and also in case of injuries or death of labourer(s) resulting from accidents during the execution of the work. In case the "Corporation" will have to pay for any such claims under Workmen's Compensation Act, the same shall be adjusted from the pending bills/dues of the "Job-Worker" or shall be recovered otherwise as per law from him.

31. 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.

32. WATCH AND WARD

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

33. 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.

34. SPLITTING UP WORK

The authority reserves the right to split up the work amongst various "Job-Workers" and increase or decrease the quantity of work mentioned in the Tender 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.

If "Corporation" desires, different agencies can be engaged at a single site of work for which each agency is to co-operate so that other agency does not face any difficulty in engagement of his machinery, equipments, vehicles etc.

35. BREACH OF CONTRACT

The performance security is 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

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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.

36. 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) Disproportionate 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.

37. 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.

38. 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 demobilise 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”. Noclaim will be allowed to the “Job-Worker” in this regard.

39. 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) %.

40. 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”.

41. 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.

42. 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. The site of the work at BalimelaDam Project, Chitrakonda is about 140 KM from Jeypore.

43. 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”.

44. RIGHT OF THE “CORPORATION”

The “Corporation” reserves the right to cancel a particular Tender call or all Tender calls without assigning any reason thereof. The items can be splitted among two or more tenderers at any stage. The offer of any

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Tenderer or all may be cancelled without assigning any reason thereof. The requirements shown in any Tender call notice are only indicative and may vary.

45. APPROACH ROAD, HAUL ROAD ETC.

The approach road, haul road etc. if required, at site of work are to be constructed and maintained by the "Job-Worker" at his cost.

46. SUB-LETTING

The work under any agreement shall not be assigned or sublet to any body by the "Job Worker". If the "Job-Worker" shall assign or sublet or attempt to do so, the "Engineer-in-Charge" shall terminate the agreement and shall 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. "OCCL" reserves the right to have access also to units of the "Job-Worker" to verify, if works are actually executed by him.

47. 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.

48. 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 usurped power which prevent performance of the contract and which could not be foreseen or avoided by a prudent person.

49. 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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Special Conditions of Contract

1. The job-worker should not have been declared ineligible for corrupt and fraudulent practices by OCCL.
2. The job-worker shall bear all costs associated with preparation and submission of his tender and the OCCL will in no case be responsible and liable for those costs.
3. Where there is a discrepancy between the rates in figures and in words, the rate in words will govern. Where there is a discrepancy between the unit rate and amount, the unit rate as quoted will govern.
4. In case of discrepancy between the bill of quantities, specifications and/or drawings, the Engineer-in-Charge shall be sole deciding authority as to which shall prevail and his decision shall be final and conclusive.
5. The "Job Worker" shall, during the progress of the work, provide, erect and maintain at his own expenses all necessary temporary stores, offices etc. required for proper and efficient execution of the work.
6. Whenever the Engineer-in-Charge exercise his authority to cancel the contract for insolvency assignment or transfer or subletting of contract, he may complete the work by any means at the Job worker's risk and expenses provided always that in the event of the cost of completion (as certified by Engineer-in-Charge which is final and conclusive) being less than the contract cost, the advantage shall accrue to OCCL. If the cost exceeds, the Job worker shall either pay the excess amount ordered by Engineer-in-Charge or the same shall be recovered from the Job worker by other means.
7. If the Job worker makes default in commencing the work within a reasonable time or within the time specified, or having taken over the site, does not commence the work within a reasonable time, or if the Job worker, in the opinion of the Engineer-in-Charge, during the currency of the contract makes default in proceeding with the work, or progress of work is slow, or in the opinion of the OCCL/Engineer-in-Charge the workmanship is poor, or if the Job worker fails to comply with any of the terms and conditions of the contract, or fails to complete the work in full or part and clears the site on or before the date of completion, or fails to achieve the progress as set out under the contract or fails to carry out the orders issued by the Engineer-in-Charge or abandons the contract or otherwise commits any breach of contract, OCCL will cancel the contract as a whole or in part or any items of work under the contract without any prior notice to the Job worker at the sole cost, risk and expense of the Job worker and get the balance work executed either by OCCL itself, or by another Job worker or through any other agency as deemed fit. In such an event, the Job worker shall be liable to make good and compensate all losses, expenses whatsoever, incurred or to be incurred by OCCL.
8. The Job worker shall be responsible for providing at his own expenses all precautions to prevent loss or damage and from any and all risks and in order to minimize the amount of any such loss or damage and for necessary steps to be taken for the said purpose until the works have been handed over complete in all respect to the Engineer-in-Charge.
9. No claim of the Job worker, whatsoever, shall be entertained after payment of the final bill.
10. Any agreement, bank guarantee, hypothecation deed etc. required to be executed under this contract shall be made at the cost of the Job worker with proper stamp duty as per the format.
11. The job-worker must visit to the Worksite and visualize its condition before quoting the rates.
12. Any correction and rectification required for the work done by the job-worker should be taken up immediately by the job-worker as per direction of the Engineer-in-Charge at his own cost.
13. The hutment, electricity, water and other day to day requirement of the worker and supervisory staff will be arranged by the job-worker. However the land (if available) required for construction of temporary hutments will be provided by OCCL on non chargeable basis. It is the responsibility of the job-worker to demolish the hutment and other structures and remove the debris immediately after completion of the work.

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SCOPE OF WORK

Name of work : "Renovation of Electrical arrangement for power supply & illumination of the Hoisting arrangements of 10 (Ten) Nos. of Spillway Radial Gates of Balimela Dam Project at Chittrakonda."

1. The scope of OCCL shall be as under.

- i) OCCL shall supply electricity at one point to the successful bidder.
- ii) On unavailability of electricity, OCCL shall provide DG set with operator and POL, at site of work.
- iii) OCCL shall supply required cables at site of work.
- iv) OCCL shall supply Electro-Magnetic brakes to successful bidder at site.

2. The scope of successful bidders shall be as follows:

- i) The bidders shall provide all required technical / non-technical / High-skilled / skilled / semi-skilled / unskilled workmen for the electrical work including dismantling and shifting of existing electrical system.
- ii) The bidders shall supply all consumables items like hand gloves, welding rod, welding screens, welding cable, electrode holder, cutting nozzles, grinding stones, electric cables, oxygen gas, DA gas, gas hose pipes etc. required at site of work.
- iii) The bidder shall engage only qualified workmen.
- iv) The bidders shall supply all clamps with bolts & nut for laying of cable on cable trays.
- v) The bidder shall supply all machinery/equipments like mechanical/power winch, gas cutting set, grinding machine, gas regulators, welding machine etc. required to complete the work.
- vi) Tools & tackles required for the work like shall be supplied by the bidder.
- vii) No accommodation will be provided by OCC Ltd. The bidder has to arrange his own accommodation.
- viii) All safety measures are to be taken during execution of work and safety equipments / materials required to the work and working personnel are to be arranged by the bidder.
- ix) The bidder shall arrange hutments for his workmen at site along with watch and ward of the materials, machinery at his own cost.
- x) Electricity at one point shall be made available by OCCL, however further requirements shall be arranged by the bidder.
- xi) Any other unforeseen items / requirements at site of work shall be supplied by the bidder.

Decision of the Engineer-in-Charge regarding scope of work of the bidder shall be final and binding on him. The bidder will execute the work as per bill of quantities as per direction of Engineer-in-Charge or his authorized representative.

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TECHNICAL SPECIFICATION

1. Successful bidder shall supply L T outdoor with slanting roof floor mounted type distribution boards maid out of 2 mm thick CRCA sheet metal, cubical fixed on MS angleframe work,duly acid treated for de-rusting, premiered and painted with 2 coats of enamel paints of approved shade: IP-52 class of protection, having hinged door having provision for cable/conduit entry and earthing studs, as per specification mentioned below duly factory wired conforming to the relevant ISS Main Pannel Board.
 - A. **Incoming**
 - i) 01 no. 200 Amp FP on load change over switch.
 - ii) 01 no. 200 Amp FP MCCB (25 KA)
 - iii)1 Set 250 Amp TPN Cu Bus.
 - B. **Outgoing**
 - i) 12 nos. 40 Amp FP MCCB (25 KA).
 - ii) 02 nos. 32 Amp FP MCCB (25 KA)
 - C. **Instrument -**
 - 1 set of phase indicating lamp with control fuses, Voltmeter, ammeter with selector switch, and C.T. etc.
2. Successful bidder shall execute laying & testing of 3.5 C 95 Sqmm cable directly on the cable tray from Control room to L.T. distribution board on spillway including supply & fitting of suitable clamps & bolts on existing cable tray, including cable end termination, Glanding etc.
3. Successful bidder shall execute laying & testing of 3.5 C 120 Sqmm cable directly on the ground including the cost of cable end termination, Glanding etc.
4. Successful bidder shall supply materials & fabricate GI cable tray (Ladder type) of 160 mtr on spillway for lying of cable to provide power supply for hoist and gantry side, made out of GI
5. Successful bidder shall execute laying & testing of following size of power cable directly on the cable tray on the spillway, including supply & fitting of suitable clamps & bolts on cable tray including the cost of cable end termination,Glanding etc.
 - (a) 4 C 6 Sqmm Cu armoured cable
 - (b) 4 C 6 Sqmm flexible Cu cable
 - (c) 3 C 6 Sqmm flexible Cu cable
6. Successful bidder shall execute laying, wiring & testing of following flexible wires for L.T. distribution board, 200A MCCB, EM brakes, motors, Main switches (63 Amp.), Starter panels etc for successful running of Radial gates.
 - (a) 6 Sqmm Cu Multi Core flexible wire
 - (b) 4Sqmm Cu Multi Core flexible wire
 - (c) 2.5 Sqmm Cu Multi Core flexible wire
7. Successful bidder shall make following arrangements for earthing of equipment and panels.
 - (a) supply, delivery of 3 mtr. Long copper earthing electrode 50 mm dia MTB PC earthing device conforming to IS:3043, digging earth pits and filling with chemical compound (Earth resistance improvement compound) and making earth chamber.
 - (b) supply of materials, delivery of 8 Nos. SWG GI wire, accompanied through cable and should be connected to earthing points.
 - (c) supply, delivery of 300 mtrs of 25 X 3 mm GI flat for earthing including making and termination.
8. Successful bidder shall supply & install limit switches (rated as 25 Amp at 440 Volt AC, 50 Hz, direct position action type) in Position Indicators for successful functioning.
9. Successful bidder shall supply & install one 200 Amp. (25KA) MCCB in a CRCA metal box with all requisite connections on Spillway platform near Gate No.1.
10. Successful bidder shall execute dismantling of 11KW /15H.P, 965 RPM Induction Motorsand re-assembly in the barrage bay after rewinding, varnishing, change of bearings etc. including cost of bearings &transportation to workshop.
11. Successful bidder shall install EM brakes supplied by OCCL.
12. Successful bidder shall arrange supply & delivery of 2 x 100 Watt LED street light fixture(Bajaj / Havells) with all accessories including GI pole height of 12 ft with double arm, pedestal & making connection including GI pipe for fixing with angles on the top of the barrage & flexible cables from JB with provision of 10 Amp SP MCB to fixture as required for successful illumination of Spillway.
13. Reversible starter & Main switch supplied by successful bidder should be of reputed brand.

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Tender Call Notice No.: OCCL/RWS/01/ 2023-24 Dated.18.07.2023

BILL OF QUANTITY & PRICE SCHEDULE

Name of work:- " Renovation of Electrical arrangement for power supply & illumination of the Hoisting arrangements of 10 (Ten) Nos. of Spillway Radial Gates of Balimela Dam Project at Chitrakonda."

Sl. No.	Description of items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Supply, delivery of L.T. outdoor with slanting roof floor mounted type distribution boards made out of 2mm thick CRCA sheet metal, cubical fixed on M.S. angle frame work, duly acid treated for derusting, primed and painted with 2 coats of enamel paints of approved shade; IP-52 class of protection, having hinged door with provision for cable / conduit entry and earthing studs, as per specification mentioned below duly factory wired conforming to the relevant ISS and as per special conditions of contact making good the damages caused complete as per the direction of Engineer-in-charge. Incoming 01 no. 200 Amp FP on load change over switch. 01 no. 200 Amp FP MCCB (25 KA) 1 Set 250 Amp TPN Cu Bus. Outgoing 12 nos. 40 Amp FP MCCB (25 KA) 02 nos. 32 Amp FP MCCB (25 KA) Instrument - 1 set of phase indicating lamp with control fuses, Voltmeter, ammeter with selector switch, and C.T. etc.	Set	01		
2	Supply, Installation, testing & commissioning of Reversible starter in rectangular enclosure (size : W:1000 X H:1380 X D:500) for 11KW/15 H.P induction motor with single phase preventer and over load relay as per direction of Engineer-in- Charge.	Nos.	10		
3	Supply, installation testing & commissioning of 63 Amp 4P Main switch with H.R.C fuse in rectangular enclosure (size : W:1300 X H:1300 X D:500) for the power supply to starter and motor as per direction of Engineer-in-Charge.	Nos.	10		
4	Laying & testing of following size of PVC insulated, PVC sheath, GI round / strip armoured stranded conductor power cable of 1100 volt grade conforming to IS:1554/1978 amended upto date, laid directly on the cable tray excluding the cost of trays / including the cost of cable end termination, Glanding etc. complete with making good the damages caused as required and as per direction of Engineer-in-charge.				
	(A) 3.5 C 95 Sqmm PVC A PVC	Mtrs.	120		
	(B) 3.5 C 120 Sqmm PVC A PVC	Mtrs.	40		
	(C) 4 C 6 Sqmm Cu around cable	Mtrs.	820		
	(D) 4 C 6 Sqmm flexible Cu cable	Mtrs.	170		
	(E) 3 C 6 Sqmm flexible Cu cable	Mtrs.	200		
	(F) 2.5 Sqmm Cu Multi Core flexible wire	Mtrs.	90		
	(G) 4 Sqmm Cu Multi Core flexible wire	Mtrs.	180		
	(H) 6 Sqmm Cu Multi Core flexible wire	Mtrs.	180		
5	Supply, delivery of 25 X 3 mm GI flat for earthing of equipment and pannels including making and termination required complete as per direction of Engineer-in-charge.	Mtrs.	300		

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6	Supply of materials, fabrication & delivery of GI cable tray (Ladder type) for lying of cable to provide power supply for hoist and gantry side, made out of GI as per direction of Engineer-in-charge.	Mtrs.	160		
7	Supply, delivery of 3 mtr. Long copper earthing electrode 50 mm dia MTB PC earthing device conforming to IS:3043, digging earth pits and filling with chemical compound (Earth resistance improvement compound) and making earth chamber as per direction of Engineer-in-Charge.	Nos.	4		
8	Supply of materials, delivery of 8 Nos. SWG GI wire, accompanied through cable and should be connected to earthing points, as required and as per the direction of Engineer-in-charge.	Mtrs.	30		
9	Supply, delivery of limit switches shall be rated as 25 Amp at 440 Volt AC, 50 Hz and of direct position action type and as per direction of Engineer-in-Charge (Position Indicator).	Sets	20		
10	Supply, delivery of 200 Amp. (25KA) MCCB in a CRCA metal box with all requisite connections and as per the direction of Engineer-in-Charge.	No.	1		
11	Dismantling of 11KW/15H.P induction motors and re - assembly in the barrage bay after varnishing and as per direction of Engineer-in Charge.	Nos	10		
12	Rewinding of 11KW/15H.P induction motors if required	Nos.	2		
13	Change of bearings of 11KW/15H.P induction motors including the cost of bearings if required	Nos.	4		
14	Installation, testing & commissioning of following types of Electro magnetic Brakes for induction motors as per direction of Engineer-in-Charge. (A)11KW / 15HP induction motor (250 mm dia)	Nos.	10		
15	Supply, delivery of 2 x 100 Watt LED street light fixture with all accessories including GI pole height of 12 ft with double arm, pedestal & making connection including GI pipe for fixing with angles on the top of the barrage & flexible cables from JB with provision of 10 Amp SP MCB to fixture as required and as per the direction of Engineer-in-Charge	Nos.	10		
16	Supply of materials, delivery of ABC stored pressured fire extinguisher and bucket with stand and all accessories complete as per direction of Engineer-in-Charge.	Sets	4		
17	Safety accessories: Supply and delivery of insulated chequered mat (4x1 mtr)	Nos.	4		
18	Dismantling of existing old damaged electrical equipments Including punctured cables and handed over to Barrage authorities as per the direction of Engineer in charge.	set	1		
19	Cost of erection, electrical installation, testing & commissioning of materials mentioned from item Sl. No. 1 to 18 except Sl. No. 4, 11,12,13,14 & 18 in complete shape.	set	1		
				Total	

N.B. : GST to be paid extra as applicable.

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