



विद्यारत्नम् महद्धनम्

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान जायस, अमेठी, उ. प्र.#

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

Jais, Amethi (U.P.) – 229 304

Website: www.rgipt.ac.in

**TENDER DOCUMENTS FOR SUPPLY AND INSTALLATION OF DG SET, CABLE
LAYING AND ASSOCIATED WORK AT RGIPT JAIS CAMPUS**

PART – A : TECHNICAL BID

NOTICE INVITING TENDER No. : RGIPT/JAIS/IWD-EWSU/DG-CABLE LAYING/01/2021-22

DATED: 02/02/2022

Last Date & Time of Submission: 23/02/2022 (Wednesday) by 3:00 P.M

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

Jais, Amethi (U.P.) – 229 304

Tender Documents for Supply and installation of DG set, cable laying and associated work at RGIPT, Jais campus.

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Notice Inviting Tender

Rajiv Gandhi Institute of Petroleum Technology (RGIPT) invites sealed item rate tender under Two Part Bid System (Technical Bid and Financial Bid) from reputed, experienced and financially sound parties for Supply / Installation of DG Set, Cable Laying & Associated Work at RGIPT Jais Campus.

Name of the Work	Supply and Installation of DG set, cable laying and its associated work at RGIPT Jais campus.
Notice Inviting Tender No. &	RGIPT/JAIS/IWD-EWSU/DG-CABLE LAYING/01/2021-22, DATED: 02/02/2022
EMD	Rs.33,750/- (Rupees Thirty Three Thousand Seven Hundred and Fifty Only) in the form of Demand Draft in favour of ' Rajiv Gandhi Institute of Petroleum Technology ' payable at ' Jais '.
Work Completion Period	The work completion period of contract shall be of 45 Days from date of acceptance of the work order.
Issue of Tender	The Tender document link can be obtained from the institute's website – www.rgipt.ac.in & CPP Portal. Please keep visiting the website for any corrigendum /amendments and submit the bid documents accordingly.
Last Date & Time of Submission of Tender (Bid due date)	Up to 3:00 P.M. on 23/02/2022 (Wednesday)
Contact Person (for any clarification)	Engineer-in-charge, Electricity & Water Supply Unit, e-mail: usrivastava@rgipt.ac.in , Mobile No.+91-9794752066
Pre-Bid Meeting	16/02/2022, 3:00 P.M. (Wednesday)
Opening of Tender	Part – A – Technical Bid Technical Bid will be opened on same day, i.e. 23 rd February' 2022 at 04:00 P.M. in the presence of authorized representatives of the bidders at IWD Office, Ground Floor of Hostel 'E' Block, RGIPT Jais, Amethi - 229304.
	Part – B – Financial Bid Financial Bid will be open for technically qualified bidders and shall be intimated for later date by the Institute.

INSTRUCTIONS TO BIDDERS

1. Tenders on Item Rate (Unit Rate) basis are hereby invited under ‘Two Part Bid System’ i.e. Technical Bid and Financial Bid for Electrical Work tender, under the heading “Supply and Installation of DG set, cable laying and its associated work at RGIPT Jais campus” from the reputed, experienced and financially sound Contractors of government departments/ Autonomous Bodies / National Level Institution / PSUs.

Eligibility Criteria

The tenderers should have successfully completed similar works (Supply, installation, testing and commissioning / Repair & Maintenance Electrical work for Building or substations / Other work related to Electrical infrastructure) during last seven years ending on 31st March, 2020 (31st March 2020 is considered because of loss of 1 year due to COVID Pandemic) should be either of the following: -

- a) Three similar completed works each of costing not less than the amount equal to Rs.5,40,000/- or
- b) Two similar completed works each of costing not less than the amount equal to Rs.6,75,000/- or
- c) One similar completed work each of costing not less than the amount equal to Rs.10,80,000/-.

The tenderers are required to produce proof of fulfilling these conditions (along with **Annexure-2** duly filled in) while submitting tender.

The Technical Bid should contain all the relevant information and desired enclosures in the prescribed format along with Earnest Money Deposit (EMD). The Price Bid should contain only the price Bid. In case, any bidder encloses the price (financial) bid within technical bid, the same shall be summarily rejected.

2. The total time for carrying out the work will be 45 days. The date of commencement shall be reckoned from the date of acceptance of award letter/ work order.
3. The Earnest Money Deposit (EMD) amounting to Rs.33,750/- (Rupees Thirty Three Thousand Seven Hundred and Fifty Only) in the form of Demand Draft. The Demand Draft should be in favour of '**Rajiv Gandhi Institute of Petroleum Technology**' payable at '**Jais**'. Tender received without EMD will be invalid and rejected.
4. The bid security (EMD) shall be returned to the unsuccessful bidders after finalization of tender, without any interest.
5. Price bids of only those bidders will be opened, who will qualify in the technical bid.
6. The Institute does not bind himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates as quoted.
7. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
8. Tender submitted shall remain valid for 180 days from the date of opening for the purpose of acceptance and award of work.
9. Before tendering, the tenderer shall inspect the sites to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground working condition of site and locally including stacking of materials, installation of tools and plants (T & P) etc., conditions affecting accommodations and movement of labour etc. required for the satisfactory execution of the work contract. No claim

whatsoever on such account shall be entertained by the Institute in any circumstances.

10. If the contractor fails to commence the work as per Work Order then the Earnest Money will be forfeited.

11. SECURITY DEPOSIT:

11.1 The contractor shall be required to deposit an amount equal to 5% of the contract value as Security Deposit through Demand Draft in favour of “Rajiv Gandhi Institute of Petroleum Technology” payable at “Jais” within 07 days from the date of issuance of Work Order.

11.2 Security Deposit shall be released to the contractor without interest after completion of all contractual obligations of the work based on ‘Completion Certificate’ issued by the competent authority and on submission of ‘No Claim Certificate’ by the Contractor. The Security Deposit shall be valid for a period of 60 (Sixty) days beyond the period of Defect Liability Period (DLP). If required, the EMD can be converted into security deposit after submission of written application and submission of balance amount by Demand Draft.

11.3 In case of termination of contract, the security deposit shall be forfeited.

12. The pre-bid meeting will held at IWD Office on 16/02/2022 at 3:00 pm. The minutes of the said pre-bid meeting, if any, will be uploaded on RGIPT website for proper circulation. The bidders are therefore, requested to kindly check the RGIPT website before submission of their tender document.

13. To acquaint themselves with the work, all the bidders are requested to visit the site on any working day (Monday to Friday) between 11:00 Hrs. to 16:00 Hrs., from 02/02/2022 to 23.02.2022.

14. RGIPT, Jais, Amethi reserve the right to accept or reject all or any bid/quotation without assigning any reason thereof.

GENERAL TERMS & CONDITIONS

1) INTERPRETATION

WORK OR WORKS:

Shall mean all work or works define in schedule of quantities, specifications and such other work or works as the contractor may be entrusted with for carrying out under this contract.

INSTITUTE:

Shall mean Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi.

ENGINEER:

Shall mean the Engineer designated by the Institute to superintend and perform other duties as indicated in the contract.

CONTRACTOR:

Shall mean the individual or firm or company, whether incorporated or not undertaking the work and shall include the legal personal representative or such individual or the persons composing such firms or company or the Successor of such firm or company and the permitted assignees of such individual or firm(s) or Company.

SITE:

Shall mean the site of contract works including any buildings and erection thereon and any other land adjoining thereto (inclusive) as aforesaid allotted by the Institute or the Engineer-in-Charge for the contractors use.

2) SUBMISSION OF TENDER:

Tenders should be submitted in sealed envelopes in two Parts separately, i.e. **“Technical Bid” (Part-A)** and **“Price Bid” (Part-B)**. Both the parts should be further sealed in an envelope super-scribing NIT No. & Name of Work, Bidders Name &

Address. The tender duly filled should be sent to either by courier /post or dropped in the tender box provided at IWD Office, Ground Floor of Hostel 'E' Block, RGIPT Jais campus, Bahadurpur, Mukhatiya More, Harbanshganj, Near Jais Railway Station, Amethi – 229304 on or before by 23rd February' 2022 till 15:00 Hrs. **No tender shall be accepted later than the time schedule specified.**

3) TECHNICAL BID (PART –A):

To qualify in the Technical Bid the firm should have the minimum eligibility criteria; the firm in this regard should submit the following documents-

- a) Duly filled format of Technical Bid as per “**Annexure-1**” & “**Annexure-2**”.
- b) The bidder should be an Indian Registered Company under Companies Act 1956/ Proprietorship / Firm / Company of any of these. Copy of Certificate of Incorporation / Registration or any other relevant document, as applicable, should be submitted along with a copy of address proof Copy of constitution or legal status of the sole proprietorship / firm / company etc.
- c) Average Annual Financial Turnover during the last 3 years, ending 31st March 2020, should be at least Rs. 6,75,000/-.
(Please submit Annual Report in “**Annexure-3**”, as certified by Chartered Accountant (Balance Sheet and Profit & Loss Account) for the last 3 (three) financial year's i.e. From 2017-18, 2018-19 & 2019-20).
- d) The technical bid should be accompanied by EMD for bid security.
- e) Copy of Income Tax Return Filed Acknowledgement for last 3 (three) financial year's i.e. from 2017-18, 2018-19 & 2019-20) should be enclosed.
- f) Copy of PAN Card.
- g) Copy of GSTIN registration certificate.
- h) Copy of Bank Account details along with cancelled Cheque.
- i) No conviction certificate on company's letterhead.
- j) The bidder must have adequate experience for execution of works in Central / State Government Department /Semi Government department/ PSU/ Autonomous bodies

having completed one, two, or three similar works in last seven years, as mentioned in Para 1 of page no. 4 of this tender. Necessary supporting documents in support of similar works like copy of work orders and completion certificate must be submitted along with the offer.

k) Entire NIT (except Price bid) duly signed & stamped by the bidder.

4) PRICE BID (Part –B):

In this bid the bidder is required to quote his item rates in the BOQ attached in accordance with the scope of work, terms & conditions & technical specifications enclosed. The rates/price quoted by contractor should be all inclusive i.e. should include all material cost, labour, services, plant/machinery/tools & tackles, ladders & scaffolding required for work, freight, Insurance, Govt. duties & levies, taxes (GST), transport/cartage of materials/labour and all other expenses not specifically mentioned but reasonably implied. Nothing over and above these rates shall be payable to contractor. Further nothing extra in rates will be considered for any variations in tender quantities or due to any site difficulties. It is mandatory for bidder to quote all items rate as asked for in the BOQ/ PRICE schedule. Failure in not filling some item rates will lead to rejection of tender. The bidders should quote unconditional rates, neatly written without any overwriting and all pages should be duly signed & stamped.

5) PRICE VARIATION:

No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract.

6) COMPLETION TIME:

The total time for carrying out the work will be 45 days. The date of commencement shall be reckoned from the date of acceptance of award letter/work order. Time is the essence of the contract.

7) EXTENSION OF TIME:

7.1 If the contractor desires for extension of time in respect of completion of work, on the grounds of his having been unavoidably hindered in its execution or any other ground, he shall apply in writing to the Engineer-in-charge, on account of which he desires extension, as aforesaid, and the Engineer-in-charge shall, in his opinion (which shall be final) reasonable grounds shown therefore and after having the approval of competent authority, authorize such extension of time if any, which may in his opinion be necessary or proper.

8) PAYMENT TERMS & CONDITIONS:

8.1 RGIPT will not pay any mobilization advance for the work.

8.2 Full and Final payment will be paid on the basis of the actual work done, measured and approved by RGIPT upon satisfactory completion of the work.

9) DEFECT LIABILITY PERIOD:

Defect Liability Period shall be 1 years from the date of completion of all contractual obligations of the work based on 'Completion Certificate' issued by the competent authority. Standard guarantee/ warranty offered by OEM will be applicable for the product installed by contractor. Contactor shall submit required warranty guarantee/ certificate.

10) LIQUIDATED DAMAGES:

In case of delay in completion of the work, the contractor shall pay liquidated damages an amount equal to 0.5% of the contract value per week of delay subject to a maximum of 10% of contract value.

11) If any extra or substituted item appears in the work, contractor shall submit its rate analysis supported with documents which shall be approved by RGIPT. If required, RGIPT can make its own analysis based on DSR document of CPWD or based on market rates for determining item rate.

- 12) The quantities mentioned in the tender are approximate. Final payment shall be made on the basis of actual work executed. Variation in the quantities, if any, shall not break the contract.
- 13) The contractor shall normally have to make his own arrangement for storage of materials and staying of labours. No request for accommodation of labours, within the campus will be entertained under any circumstances. However, at the request of contractor, a space shall be allotted for storing of materials within the campus, depending upon the availability.
- 14) Samples of all materials and other articles required for use on the work shall be got approved from Engineer-in-Charge, RGIPT before the starting of work.
- 15) All material and article brought by the contractor to the site of work for use shall conform to the samples approved. Final decision to reject any material shall rest with the RGIPT.
- 16) Makes of various materials to be used by contractor will be according to the list of approved makes given. No other makes will be used by the contractor. In case any material/ product does not available in the market, alternate product as per decision and approval of Engineer-in-Charge shall be used.
- 17) Contractor will be paid on the basis of actual measurement against each respective item.
- 18) Contractor will arrange proper ladders and staging (for working at higher levels) at his own cost and will take all safety measures like safety belts, extra labour to hold ladders/staging etc. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by Engineer-In-Charge and in such cases, contractor will be solely responsible for delay and its consequences thereof.

20) Detailed technical specification for insulation works for the soundproofing with respect to materials & workmanship and mode of measurements will be as per IS codes and CPWD specifications, unless mentioned otherwise.

21) LABOUR LAWS:

The contractor will abide by all the rules and regulations related to labour laws, accident, workmen compensation act, workmen insurance etc. This will be the sole responsibility of the contractor. RGIPT will not be a party at any stage in any of the disputes relating to the above. In case, RGIPT has to bear any expenditure due to non-conformance of the above provisions by the contractor, the same will be recovered from contractor's bills.

22) The contractor shall depute competent Engineer/Supervisor for day to day supervision, coordination, liaison and other works etc. The representative of the Contractor shall attend regular / required meetings to expedite the works and sort out difficulties, if any. The contractor shall be responsible for progress of work and for hurdles, if any, during the progress of work which are attributable to the contractor.

23) Contractor will take due permission for entry of all his workmen in RGIPT. No unauthorized person will be allowed to work inside.

24) The contractor will provide for all necessary materials, tools, equipment, access ladders & scaffolding, measuring instruments and working consumables etc. needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same. Watch and Ward of all material till the system is taken over by RGIPT shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.

25) During execution of work, the contractor should follow all standard norms of safety measures/precautions as per relevant IS codes and CPWD specifications to avoid

accidents/damages to man, machines and buildings, at his own cost. Contractor will have his own arrangement to escort the labour to the nearest hospital for treatment in case any injury happens to any worker during execution of work.

- 26) No material belonging to the contractor whether consumable or non-consumable should be brought inside the RGIPT campus, without proper entry at the Main Gate nor any material should be taken out without proper gate pass issued by the authorized representatives of the RGIPT.
- 27) During execution of the work, contractor should dispose off waste material on regular basis and should keep the area of work, properly cordoned off and neat & clean as far as possible. After completion of work, contractor should clear the site completely of all unwanted and junk material before submitting his final bill.
- 28) RGIPT will provide free water and electricity during execution of work at one point. The contractor has to make his own arrangements for supplying power and water from that point onwards as per his requirements.

29) FORCE MAJEURE:

Conditions beyond control of either parties like war, hostility, acts of public enemy, civil commotion, sabotage, serious loss or damage by fire, explosions, epidemics, strikes, lockouts or acts of God come under the legal concept of Force Majeure (FM). Delays in performance of contractual obligations under influence of FM conditions are condonable by the other party without any right to termination or damages, provided, notice of the happening of any such event is given by the affected party to the other within 7 (Seven) days from the date of occurrence. Works under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist. However, if such event continues for a period exceeding 120 days, either party may at its option terminate the contract by giving notice to the other party.

SCOPE OF WORK

The scope of supply and installation of DG set and cable laying as per following details:

Supply and installation of 45 kVA DG set (Location: Housing area)

Supply, installation, testing and commissioning of 45 kVA, 3 phase, 415V, 1500 RPM, silent DG set (make : Kirloskar / Jakson) with fittings and accessories with standard AMF Panel, Governor, Excitation system, AVR, Fuel tank, Battery and leads, lube oil, fuel indicator, AVM Pads and Acoustic Enclosure etc., complete in all respect with foundation, control panels, control cables etc. complete in all respect Earthing: 80mm dia, 3 meter length with pipe and chemical, Terminal 50 x 6 mm including accessories, providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. complete as required.

* Foundation height should be 6 inch from Ground level.

Supply and laying of cables for connection with above mentioned / already installed DG sets (Location: Housing area, Hostel Area and RG Plaza)

Supplying and Laying of PVC sheathed / XLPE Al. armoured power cable of 1.1 kV grade of following size:

- **4 Core X 50 Sq.mm.** Al. Armoured XLPE Cable
- **4 Core X 35 Sq.mm.** Al. Armoured XLPE Cable
- **4 Core X 16 Sq.mm.** Al. Armoured XLPE Cable

LIST OF APPROVED MAKES

LIST OF APPROVED MAKE FOR ELECTRICAL WORKS		
Sl. No.	MATERIALS	MANUFACTURER/SUPPLIER/MAKE
1	SILENT DG SET	KIRLOSKAR, EICHER, JAKSON
2	LT JOINTING KIT / TERMINATION	BIRLA-3M, RAYCHEM, MAHINDRA, SAFE KIT
3	CABLE GLANDS WITH EARTHING LINKS	BRACO, COMET (COMEX), HEX BRASS
4	BIMETTALIC CABLE LUG	BRACO, COMET, DOWELL'S (BILLER INDIA), HEX BRASS (COPPER ALLOY INDIA)
5	PVC INSULATED XLPE COPPER / ALUMINIUM CONDUCTOR ARMOURED CABLE	HAVELLS, POLYCAB, FINOLEX
6	PVC INSULATED COPPER CONDUCTOR STRANDED FLEXIBLE WIRES	HAVELLS, POLYCAB, FINOLEX
7	LEAD COATED FLEXIBLE GI CONDUIT	PLICA INDIA PVT. LTD., FLEXICON
8	PVC ,MS CONDUIT & ACCESSORIES (ISI APPROVED)	AKG, BEC, PRECISION, D-PLAST, POLYCAB
9	SWITCH , SOCKET, POWER UNITS, ACCESORIES	CLIPSAL (OPAL SERIES), CRABTREE, LEGRAND (MOSAIC), WIPRO (NORTHWEST), ANCHOR ROMA, HAVELLS
10	CABLE TRAYS (FACTORY FABRICATED) / RACEWAYS	PROFAB ENGINEER, RICCO STEEL, SLOTCO, MAHESHWARI ELECTRTRICAL, NEEEDO, MEM
11	TERMINAL BLOCK/CONNECTOR	ELMEX, CONNECTWELL, WAGO
12	SEALING COMPOUND	HILTI, 3M, M SEAL
13	BUSBAR CHAMBER	HAVELLS, SCHNEIDER

Annexure- 1

TECHNICAL BID FORMAT

1	Name of the firm/ Society/ Company/ Proprietary Concern (Attach self-attested copy of the certificate)	
2	Address of registered office	
3	Telephone Nos./ Mobile Nos. /E-mail	
4	Earnest Money Deposit (EMD): Yes/No	
5	PAN (Attach self-attested copy)	
6	Bank Account details (Attached copy of the cancelled Cheque)	
7	GSTIN Registration No. (Attach self-attested copy)	
8	Details of clients along with address, telephone and Fax numbers, Amount of contract, Duration of contract. (Attach a separate sheet in support of eligibility criteria).	

(Signatures of the authorized signatory
with seal of tendering firm)

DETAILS OF WORK OF SIMILAR NATURE

Details of similar work / order executed during last 7 years ending 31.03.2020 (Please submit copy of completion certificate from the client.

S. No.	Name of Work	Authority under whom the work has been executed	Agreement / acceptance letter reference with date of issue	Value of work as per agreement/ acceptance	Date of actual completion of work / extended date of completion	Value of the work completed	Supporting Document

AVERAGE ANNUAL FINANCIAL TURNOVER

Turnover of the Bidder for following 3 years (Please submit CA certified copy of Annual Reports)

Year	Annual Report Submitted (Yes / No)	Turnover in Rs. (Lakh)	Profit/ Loss
2017-2018			
2018-2019			
2019-2020			
Total			
Average			

NO CLAIM CERTIFICATE
(On company letterhead)

To,

(Contract Executing Officer)

Procuring Entity

Sub: Contract Agreement no. dated for the work of..... We have received the sum of Rs..... (Rupees only) in full and final settlement of all the payments due to us for the work of under the above-mentioned contract agreement, between us and Rajiv Gandhi Institute of Petroleum Technology. We hereby unconditionally, and without any reservation whatsoever, certify that with this payment, we shall have no claim whatsoever, of any description, on any account, against Procuring Entity, against aforesaid contract agreement executed by us. We further declare unequivocally, that with this payment, we have received all the amounts payable to us, and have no dispute of any description whatsoever, regarding the amounts worked out as payable to us and received by us, and that we shall continue to be bound by the terms and conditions of the contract agreement, as regards performance of the contract.

Yours faithfully,

Signatures

Name of Contractor or Officer Authorised
to sign the contract documents on behalf of contractor
(Company stamp)

Date:

Place:

NO CONVICTION CERTIFICATE

(On company letterhead)

This is to certify that _____ (Name of the organization), having registered office at _____ (Address of the registered office) has never been blacklisted or restricted to apply for any such activities by any Central / State Government Department /Semi Government department/ PSU/ Autonomous bodies or Court of law anywhere in the country.

Yours faithfully,

Signatures

Name of Contractor or Officer Authorised
to sign the contract documents on behalf of
Contractor

(Company stamp)

Date:

Place:

Check List

Sl. No.	Particulars	Yes/No (Bidders to tick Yes/No)
1.0	Envelope 1 – Technical Bid (Part A)	
1.1	EMD of Rs.33,750/- in the shape of D.D. in favour of ‘RGIPT’	Yes / No
1.2	Copy of constitution or legal status of the sole proprietorship / firm / company etc.	Yes / No
1.3	PAN No, GSTIN No., Bank Account details (Copy of Cancelled Cheque)	Yes / No
1.4	Copy of Income Tax Return Filed Acknowledgement	Yes / No
1.5	Copies of work order and completion certificates of works of similar nature (Annexure 1 & 2)	Yes / No
1.6	Copy of Annual Financial Turnover	Yes / No
1.7	No Conviction Certificate	Yes / No
1.8	Entire NIT (except Price Bid), other paper duly signed & stamped	Yes / No
1.9	Packet marked as Technical Bid (Part A) & sealed	Yes / No
2.0	Envelope 2 – Price Bid (Part B)	
2.1	BOQ (with quoted rate and amount of each item)	Yes / No
2.2	Each page signed & stamped by bidder	Yes / No
2.3	Packet marked as Price Bid (Part B) & sealed	Yes / No
3.0	Envelope 3- Complete Tender (Part A + Part B)	
3.1	Sealed envelopes contain two Parts separately, i.e. “Technical bid” (Part-A) and “Price bid” (Part-B).	Yes / No
3.2	Envelope super-scribing NIT No, name of work, bidders name & address.	Yes / No

Note: - Entire NIT (except price bid) is to be attached with ‘Technical bid (Part-A)’ duly signed & stamped by the bidder.



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**TENDER DOCUMENTS FOR SUPPLY AND INSTALLATION OF DG SET, CABLE
LAYING AND ASSOCIATED WORK AT RGIPT JAIS CAMPUS**

PART – B : FINANCIAL BID

NOTICE INVITING TENDER No. : RGIPT/JAIS/IWD-EWSU/DG-CABLE LAYING/01/2021-22

DATED: 02/02/2022

Last Date & Time of Submission: 23/02/2022 (Wednesday) by 3:00 P.M

Name of work – Supply and installation of DG set, cable laying and associated work at RGIPT Jais campus.

Bill of Quantity

Sl. No.	Item / Work Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1.0	Supply and Installation of DG set in housing area to provide power to 4 Nos. of Elevators (1 No. each from A1, A2, B1 & B2 Blocks):				
1.1	Supply, installation, testing and commissioning of 45 kVA, 3 phase, 415V, 1500 RPM , silent DG set (make : Kirloskar / Jakson / Eicher) with fittings and accessories with standard AMF Panel, Governor, Excitation system, AVR, Fuel tank, Battery and leads, lube oil, fuel indicator, AVM Pads and Acoustic Enclosure etc., complete in all respect with foundation, control panels, control cables etc. complete in all respect * Foundation height should be 6 inch from Ground level.	Nos.	1		
2.0	Supplying, Laying and connection/termination of XLPE Al. Armoured cable to Connect DG above mentioned / already installed DG set to provide backup power (Location: Housing area, Hostel area and RG Plaza) at RGIPT:				
2.1	Supplying of PVC sheathed / XLPE Al. armoured power cable of 1.1 kV grade of following size:				
2.1.1	Supplying of 4 Core X 50 Sq.mm. Al. Armoured XLPE Cable	Mtr.	372		
2.1.2	Supplying of 4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Mtr.	536		
2.1.3	Supplying of 4 Core X 16 Sq.mm. Al. Armoured Cable	Mtr.	275		
2.2	Laying of Al. Armoured XLPE Cable				
2.2.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
2.2.1.1	Laying of 4 Core X 50 Sq.mm. Al. Armoured XLPE Cable	Mtr.	145		
2.2.2	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
2.2.2.1	Laying of 4 Core X 50 Sq.mm. Al. Armoured XLPE Cable	Mtr.	180		
2.2.2.2	Laying of 4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Mtr.	181		
2.2.2.3	Laying of 4 Core X 16 Sq.mm. Al. Armoured XLPE Cable	Mtr.	25		
2.2.3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				

Sl. No.	Item / Work Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
2.2.3.1	Laying of 4 Core X 50 Sq.mm. Al. Armoured XLPE Cable	Mtr.	15		
2.2.3.2	Laying of 4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Mtr.	40		
2.2.3.3	Laying of 4 Core X 16 Sq.mm. Al. Armoured XLPE Cable	Mtr.	35		
2.2.4	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
2.2.4.1	Laying of 4 Core X 50 Sq.mm. Al. Armoured XLPE Cable	Mtr.	32		
2.2.4.2	Laying of 4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Mtr.	15		
2.2.4.3	Laying of 4 Core X 16 Sq.mm. Al. Armoured XLPE Cable	Mtr.	15		
2.2.5	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground in the same existing trench in one tier.				
2.2.5.1	Laying of 4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Mtr.	240		
2.2.5.2	Laying of 4 Core X 16 Sq.mm. Al. Armoured XLPE Cable	Mtr.	140		
2.2.6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required.				
2.2.6.1	Laying of 4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Mtr.	60		
2.2.6.2	Laying of 4 Core X 16 Sq.mm. Al. Armoured XLPE Cable	Mtr.	60		
2.3	Suppling and Fixing of Bus bar chamber				
2.3.1	Suppling and Fixing of 200 Amp Bus bar chamber Make : Havells/Schneider	Nos.	1		
2.3.2	Suppling and Fixing of 100 Amp Bus bar chamber Make : Havells/Schneider	Nos.	1		
2.3.3	Suppling and Fixing of 63 Amp Bus bar chamber Make : Havells/Schneider	Nos.	3		
2.4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
2.4.1	4 Core X 50 Sq.mm. Al. Armoured XLPE Cable	Nos.	4		
2.4.2	4 Core X 35 Sq.mm. Al. Armoured XLPE Cable	Nos.	12		

Sl. No.	Item / Work Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
2.4.3	4 Core X 16 Sq.mm. Al. Armoured XLPE Cable	Nos.	16		
3.0	Earthing for DG set				
3.1	GI Earthing: 80mm dia, 3 meter length with pipe and chemical, Terminal 50 x 6 mm including accessories, providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. complete as required.	Set	8		
A	Sub-Total Amount (Sl. No. 1 to 3)				
B	GST				
	Total Amount inclusive of GST (A+B)				

Note: The tender job will be awarded on over L1 basis, not on individual item basis.

(Signature of tenderer with seal)

Name: