

NIT No. IITH/CMD/ELE/NIT/2022-23/ 02



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

NOTICE INVITING TENDER (NIT)

Name of the Work: Non-Comprehensive Annual Maintenance Contract for HT 11 KV VCB's & RMU's and 33 KV SF-6 CB's ZS2 Installed at Service Buildings / MRS, Kandi Campus, IIT Hyderabad.


05/05/2022
Executive Engineer
IIT Hyderabad

INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD

NOTICE INVITING TENDER

NIT Reference No. IITH/CMD/ELE/NIT/2022-23/02

Indian Institute of Technology Hyderabad invites on behalf of President of India online bids **(e-tender) Item rate for Part A and Percentage rate for Part B tenders** from approved and eligible Electrical contractors of CPWD and those of appropriate list of M.E.S., BSNL, Railway, State P.W.D. (B&R), working Electrical contractors of IIT Hyderabad OR the **specialized agencies & Firms** having similar experience as an authorized channel/business partner with **OEM (ABB HT switch Gears) at Telangana /Andhra Pradesh jurisdiction** for the below mentioned work.

(As a mandatory criterion, the bidder must have **HT (11 KV to 33 KV) Grade “A” License from Electricity Board of Telangana / other states / Union territories**. However, after finalization of contract and before entering into agreement they must obtain licence / NOC from Telangana (for other state license holders for execution of such contract).

1.1	NIT No.:	IITH/CMD/ELE/NIT/2022-23/02
1.2	Name of Work:	<i>Non-Comprehensive Annual Maintenance Contract for HT 11 KV VCB's & RMU's and 33 KV SF-6 CB's ZS2 Installed at Service Buildings / MRS, Kandi Campus, IIT Hyderabad.</i>
1.3	Estimated Cost: <i>(given merely as a rough guide)</i>	<i>Rs. 49,04,472/- (Part-A: Rs. 30,63,672/- AND Part-B: Rs. 18,40,800/-)</i>
1.4	Earnest Money Deposit (EMD):	<i>Rs. 98,100/-</i>
1.5	Period of AMC:	<i>03 Years</i>
1.6	Date of Online Publication/Download of Tender	05/05/2022 1500hrs
1.7	Last Date for Submission of Bids	11/05/2022 1500hrs
1.8	Date and time of Opening of Technical Bids	11/05/2022 1530hrs
1.9	Date and time of Opening of Financial Bids	13/05/2022 1530hrs
1.10	Cost of Bid Document:	<i>Rs. 590/- including GST @ 18%</i>

The Tender Document can be downloaded from <https://mhrd.euniwizarde.com> OR Central Public Procurement (CPP) Portal <https://eprocure.gov.in/epublish/app> OR Institute website-<https://www.iith.ac.in/tenders/#Civil%20Works>.

The bid is to be submitted online mode only through the E-procurement portal of

<https://mhrd.euniwizarde.com> up to the last date and time of submission of tender. Manual bids shall not be accepted. All quotation (both Technical and Financial) should be submitted online through E-procurement portal of <https://mhrd.euniwizarde.com>.

Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the Helpdesk Support - Phone No. 011-49606060. Mail id: - helpdeskeuniwizarde@gmail.com.

INSTRUCTIONS FOR ONLINE BID SUBMISSION:

The Tender Document can be downloaded from <https://mhrd.euniwizarde.com> OR Central Public Procurement (CPP) Portal <https://eprocure.gov.in/epublish/app> OR Institute website- <https://iith.ac.in/tenders>.

The bidders are required to submit soft copies of their bids electronically on the <https://mhrd.euniwizarde.com> using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the Portal, prepare their bids in accordance with the requirements and submitting their bids online.

More information useful for submitting online bids may be obtained at: <https://mhrd.euniwizarde.com>

GUIDELINES FOR REGISTRATION:

1. Bidders are required to enrol on the e-Procurement Portal with clicking on the link “Bidder Enrolment” on the e-tender Portal by paying the Registration fee as applicable + Applicable GST.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the e-Wizard Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) with their profile or bidders can contact help desk for getting the DSC.
5. Only valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.
7. The scanned copies of all original documents should be uploaded in **pdf format** on portal <https://mhrd.euniwizarde.com>
8. After completion of registration payment, bidders need to send their acknowledgement copy on help desk mail id helpdeskeuniwizarde@gmail.com for activation of their account.

SEARCHING FOR TENDER DOCUMENTS:

1. There are various search options built in the e-tender Portal, to facilitate bidders to search active tenders by several parameters like Department name, Tender category, estimated value, Date, other keywords, etc. to search for a tender published on the Online Portal
2. Once the bidders have selected the tenders they are interested in, you can pay the form fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / tender schedules, Bid documents etc. Once you pay both fee tenders will be moved to the respective 'requested' Tab. This would enable the e- tender Portal to intimate the bidders through e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender No assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

PREPARATION OF BIDS:

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in **PDF/XLSX/PNG etc., formats**. Bid Original documents may be scanned with 100 dpi with Colour option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.
5. These documents may be directly submitted from the "My Documents" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
6. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that needs to be submitted. Any deviations from these may lead to rejection of the bid.

SUBMISSION OF BIDS:

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by IIT Hyderabad.
3. Bidder has to select the payment option as "**e-payment**" to pay the **tender fee / EMD** as

applicable and enter details of the instrument.

4. ***In case of Bank Guarantee (BG) bidder should prepare the BG as per the instructions specified in the tender document. The BG in original should be posted/couriered/given in person to the concerned official of IIT Hyderabad before the Online Opening of Technical Bid. In case of non-receipt of BG in original by the said time, the uploaded bid will be summarily rejected.***
5. ***Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.***
6. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data, which cannot be viewed by unauthorized persons until the time of bid opening.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9. ***Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal <https://mhrd.euniwizarde.com>), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.***
10. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.
11. The off-line tender shall not be accepted and no request in this regard will be entertained whatsoever.
12. As per portal norms Tender Processing Fee will be applicable.

AMENDMENTS OF BID DOCUMENT:

At any time prior to the deadline for submission of Bids, the department reserve the right to add/modify/delete any portion of this document by the issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who has been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

ASSISTANCE TO BIDDERS:

For any clarification in using <https://mhrd.euniwizarde.com>

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2. Any queries relating to the process of online bid submission or queries relating to e-Wizard Portal in general may be directed to the 24X7 e-Wizard Helpdesk Support.

Please feel free to contact euniwizard helpdesk (as given below) for any query related to e-tendering - Phone No. 011-49606060.

Mail id: - helpdeskeuniwizarde@gmail.com

The contact number for the helpdesk is 8448288994/86/87/89/88/81/90/92/82

011-49606060, 07903269552, 9355030608, 9055030613, 7903810198, 9355030606, 9315620706, 9355030623, 9355030628, 8800526452, 9205898228, 9122643040, 9355030604

eprochelpdesk.01@gmail.com, eprochelpdesk.44@gmail.com, eprochelpdesk.06@gmail.com

3. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bid(s).

4. The bid should be submitted through e-Wizard portal (<https://mhrd.euniwizarde.com/>) only.

NOTICE INVITING TENDER

NIT Reference No. IITH/CMD/ELE/NIT/2022-23/02

1. Tenderers provided that they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of IIT Hyderabad, of having satisfactorily completed similar works of magnitude specified below (copies to be enclosed with the bid document):-

Criteria of eligibility for issue of tender documents apart from basic eligibility:

Three similar works each of value not less than 40% of estimated cost or two similar works each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 10 lac) in last 7 (Seven) years ending last day of the month previous to the one in which the tenders are invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 10% per annum, calculated from the date of completion to the last date of submission of tender.

“Similar Work” shall mean Installation & Commissioning OR Non – Comprehensive/ Comprehensive Annual maintenance contract (AMC) including Servicing and rectification of breakdown calls in all aspects for HT 11KV VCB’s & RMU’s and 33KV SF-6 CB’s ZS2”. Only such works will be considered, which are 100% completed in all respects on or before 31.03.2022.

2. ***Intending Bidders should have had Average Annual Financial Turnover of Rs. 40,00,000/- on similar work execution during the last three years ending 31st March 2021 (Scanned copy of Certificate from CA to be uploaded)***
3. ***Intending Bidders has to submit Income Tax returns filed for the firm during last three years ending 31st March 2021 (Scanned copy of returns filed to be uploaded)***
4. ***Intending Bidders should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending 31st March 2021.***
5. To become eligible, the tenderer shall have to furnish an affidavit as per Form ‘J’ of the NIT.
6. Agreement shall be drawn with the successful tenderer on prescribed Form which is available in the website:
https://drive.google.com/file/d/1C7JCvsCtaK6sIZYnRIAPxe_2Eu8WZixB/view
(with up to date correction slips if any) Tenderer shall quote his rates as per

various terms and conditions of the said form which will form part of the agreement.

7. The time allowed for carrying out the work will be as stated at para 1 from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
8. The site for the work is available.
9. Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen for information at the above mentioned website.
10. Applicants are advised to keep visiting the above mentioned website from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respects including updates thereof, if any. An incomplete application may be liable for rejection.
11. The contractor whose tender is accepted, will be required to furnish performance guarantee of 3% (Three Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F'. including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
12. The description of the work is as follows:

Non-Comprehensive Annual Maintenance Contract for HT 11 KV VCB's & RMU's and 33 KV SF-6 CB's ZS2 Installed at Service Buildings / MRS, Kandi Campus, IIT Hyderabad.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be

deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. Tenders with any condition including that of conditional rebates shall be rejected forthwith.

14. Cost of **Bid document cost** and **EMD** may also be remitted to Institute's account number as per bank particulars given below:

Name of the Account Holder	: Indian Institute of Technology Hyderabad
Account Number	: 30412797764 (Current Account)
Name of the Bank	: State Bank of India
Address of the Bank	: IIT Kandi, IIT Hyderabad Campus, Kandi, Sangareddy, Telangana - 502285
Branch code	: 14182
IFSC code	: SBIN0014182
MICR code	: 502002528
SHIFT code	: SBININBB762

15. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

16. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

17. The competent authority on behalf of President of India 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 rate quoted.

18. The contractor shall not be permitted to tender for works if his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Institute.

19. No Engineer of gazette rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

20. The tender for the works shall remain open for acceptance for a period of Sixty (60) days from the date of opening of tenders/Sixty days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

21. **(A) All taxes, Labour Cess etc., as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes including GST on works. Any recovery towards GST is notified by the competent authority, the same shall be effected and no claim what so ever shall be entertained by IITH. The contractor shall quote his rates accordingly.**

(B) 2% as TDS amount of GST amount payable on the bills will be deducted as per the Govt. of India, Ministry of Finance, Department of Revenue notification vide No.65/39/2018-DOR, dtd: 14-09-2018.

22. ***GST registration certificate of the state in which the work is to be taken up, if already obtained by the bidder.***

If the bidder has not obtained GST registration in the state in which the work is to be taken up or as required by GST authorities, then in such a case the bidder shall scan and upload following under taking along with other bid documents.

“If the work awarded to me, I/We shall obtain GST registration certificate of the state, in which work is to be taken up, within one month from the date of receipt of award letter or before release of any payment by IIT Hyderabad, whichever earlier, failing which I/We shall responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by IIT Hyderabad or GST department in this regard.”

23. Bidder has to submit Undertaking on their letter head pursuant to the Section 206AB (as applicable) of the Income Tax Act, 1961 in prescribed format as enclosed at Annexure-A along with each and every bill submitted for payment.

24. This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of :-

- a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

- b) Standard Contract form (General Conditions of Contract) as posted in the website of the Institute. The bidder is deemed to have gone through and understood the Standard Contract Form and the General Conditions of Contract.


05/05/2022
Executive Engineer
IIT Hyderabad

(Signature of bidder)

FORM 'J'

AFFIDAVIT

I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state/Central Departments/PSUs/Autonomous bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the department then I/we shall be debarred for bidding in IIT Hyderabad in future forever. Also, if such information comes to the notice of IIT Hyderabad on any day before date of start of work, the Engineer-in-charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit to be furnished on a 'Non-Judicial' stamp paper worth Rs.100/-

Signature of Bidder(s) or an authorized Officer of the firm with stamp

Signature of Notary with seal

Checklist of documents to be submitted along with Technical Bid

Sl. No.	Doc Ref	Description of the Document	Enclosed Yes/No	Remarks
1	As per GCC, Applicant shall submit the documents for Technical scrutiny	Copy of valid contractor's registration certificate, PAN card, GST Registration certificate & GSTIN should accompany the Technical Bid		
2	As per NIT: Registration of Contractors	CPWD/MES/BSNL/Railway/State PWD (B&R)/Working Contractors of IIT Hyderabad OR the specialized agencies & Firms having similar experience as an authorized channel/business partner with OEM (ABB HT switch Gears)		
3	As per NIT: Eligible Contractors	Date of Validity of Enlistment		
4	Details of Works completed during last 7 years <i>(Detailed statements to be enclosed)</i>	Not less than 40%of estimated cost (Three similar works)		
Not less than 60%of estimated cost (Two similar works)				
Not less than 80%of estimated cost (One Similar work)				
5	As per the NIT (Affidavit)	The tenderer shall have to furnish an affidavit in prescribed format. (Form J)		
6	As per Para No. 1.4 of NIT	Cost of EMD		
7	As per Para No. 1.10 of NIT	Cost of Tender document		
8	As per Sl.No.19 of NIT	Undertaking for GST registration in the state in which the work is to be taken up		
9	As per Annexure B	Undertaking pursuant to Section 206AB (as applicable) of the Income Tax Act, 1961 (Annexure-A)		
10	As per Sl. No.2 of NIT	Copy of Certificate from CA for Average Annual Financial Turnover of Rs. 40,00,000/- for the last three financial years ending 31 st March 2021		
11	As per Sl.No.3 of NIT	Copy of Income Tax returns filed during last three financial years ending 31 st March 2021		
12	As per Sl.No.4 of NIT	Copy of Profit and Loss accounts Certificate obtained from CA for the last five financial years ending 31 st March 2021		

On Contractor/ Agency's Letter Head

Undertaking pursuant to Section 206AB (as applicable) of the Income Tax Act, 1961

To,
Registrar
IIT Hyderabad
Kandi, Sangareddy- 502284.

Dear Sir/Madam,

Subject: Declaration confirming filing of Income Tax Return for immediate two preceding years.

I, Ms./Mrs./Mr. _____ in capacity of Authorized Signatory of _____ having PAN _____ and registered office at _____ do hereby declare that _____ has filed Income Tax Returns for immediately last 2 preceding Financial Years as mentioned below per due dates under Section 139 (1) of the Income Tax Act, 1961 ('the Act') and details of which are as given under:

Financial Year for which Income Tax Return was due as per Section 139(1)	Acknowledgement no. of ITR filed under Section 139(1)	Date of Filing
2020-21 <i>(if applicable on date of this declaration)</i>		
2019-20		
2018-19		

Further, I confirm that _____ has lined the above PAN with Aadhaar number as on this date.

I also undertake that _____ hereby indemnify **Indian Institute of Technology Hyderabad** for any loss/liability (including any Tax, interest, penalty, etc.) that may arise due to incorrect reporting of above information.

For _____

Signature: _____

Name of person:

Designation:

Place:

Date:

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (Enclosed): Part A (Item Rate)
Schedule of quantities (Enclosed): Part B (Percentage Rate)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor

Sl. No.	Description of item	Quantity	Rates in figure & words at which the material will be charged to the Contractor	Place of issue
..... NIL				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

Sl. No.	Description	Hire Charges per day	Place of issue
..... NIL			

SCHEDULE 'D'

Extra schedule for specific requirements/documents for the work, if any.
--- NIL ---

SCHEDULE 'E'

Reference to General Condition of Contract.: *Posted in the website of the Institute.*

Name of the work : ***Non-Comprehensive Annual Maintenance Contract for HT 11 KV VCB's & RMU's and 33 KV SF-6 CB's ZS2 Installed at Service Buildings / MRS, Kandi Campus, IIT Hyderabad.***

Estimated cost of work : ***Rs. 49,04,472/-
(Part-A: Rs. 30,63,672/- AND
Part-B: Rs. 18,40,800/-)***

Earnest money : ***Rs. 98,100/-***

Performance Guarantee : *3.0% of the accepted tendered value*

Security Deposit : *2.50% of the tendered value*

SCHEDULE 'F'

GENERAL RULES AND DIRECTIONS:

Officer inviting tender: : *Executive Engineer, IITH*

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3 : *See below*

Definitions:

2(v) Engineer -in- Charge : *Executive Engineer, Indian Institute of Technology, Hyderabad.*

2(viii) Accepting Authority : *Superintending Engineer, Indian Institute of Technology, Hyderabad.*

2(x) Percentage on cost materials and Labour to cover all overheads and profit : *15% (Fifteen) per cent.*

2(xi) Standard Schedule of Rate : *CPWD, Delhi Schedule of Rates (DSR) 2018 Civil / Electrical, with up to date correction slips.*

Standard Contract Form : *IITH General Conditions of Contract for Maintenance works*

Clause 1

i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days : *15(Fifteen) Days*

ii) Maximum allowable extension beyond the period provided in(i) above : *7(Seven) Days*

Clause 1A

Whether Clause 1A is applicable : *Yes*

Clause 2 Authority for fixing Compensation under Clause 2 : *Superintending Engineer, Indian Institute of Technology, Hyderabad*

Clause 3(VII): If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement-will be made ineligible.

Clause 5:

Number of days from the date of issue of letter of acceptance for reckoning date of start : *7 Days*

Milestones : As shown below

Table of Milestones if Applicable			
Sl. No.	Description of Milestone	Time Allowed (From Date of Start)	Amount to be withheld in case of non-achievement of Milestone
1	25% agreement value	One fourth of time allowed for completion.	In the event of non-achieving the necessary progress as assessed from the running payments, 2.5% of tendered value of work will be withheld for failure of each milestone.
2	50 % agreement value	One half of time allowed for completion.	
3	75% agreement value	Three fourth of time allowed for completion.	
4	100% agreement value	Full period of time allowed for completion.	

Time of AMC Period : **3 Years**

Authority to give fair and reasonable : *Superintending Engineer, IITH*

Extension of time for completion of work (Web based hindrance register)

Rescheduling of mile stones : *Superintending Engineer, IITH*

Clause 6:- Measurement Book

Clause applicable, 6

: (i) *For works having estimated cost more than Rs 15 Lakh – Clause 6*

(ii) *For works having estimated cost Rs. 15 Lakh or less – Contractor’s option of Clause 6 or to be exercised at the time of Tender Submission*

Clause 7:

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment : *Rs. 5 Lakhs/-*

Clause 7A:

Whether Clause 7A is applicable : *Yes.
No running account bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge.*

Clause 10A:

List of testing equipment to be provided by the contractor at site lab : *As given in additional specifications*

Clause 10B (i)- Secured advance on Materials:

Whether Clause 10 B (i) shall be applicable : *NA*

Clause 10C:

Component of labour expressed as percent of value of work : *NA*

Clause 10CA : *Not Applicable*

Sl No.	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA* (INR)
	Reinforcement steel(TMT)		(90,000/-)/MT
	Cement		(8,600/-) /MT
	Structural steel		(1,01,000/-)/MT

Clause 10CC : *Not Applicable*

Clause 10D : *Applicable*

Clause 11:

Specification to be followed for execution of work : **CIVIL WORKS**

CPWD DSR Items:

CPWD Specifications 2009 Vol. I &

II, with up to date correction slips,

For MORTH Items

Latest MORTH Specifications, with up to date correction slips.

For ELECTRICAL WORKS

i) CPWD DSR Items:

CPWD General Specifications
Part I Internal 2013
Part II External 1994
Part III Lifts & Escalators 2003
Part IV Substations 2013
Part V Wet Riser
Sprinkler System 2006
Part VI Heating, Ventilation &
Air Conditioning Works 2017
Part VII DG Sets 2013
Part VIII: Gas based fire
extinguisher systems 2013
all with up to date Corrections
Slips.

For all Market Rate Items:

Particular Specifications

Clause 12:

12.2 & 12.3: Deviation limit beyond which Clause 12.2 & 12.3 shall apply for building work : *100% (as per CPWD circular No. DG/CON/313 Dt: 17.02.2021)*

12.5 : Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work : *100% (One hundred per cent)*

Clause 14: : *Yes.*

Whether Clause 14 is applicable

Clause 16
Competent Authority for deciding reduced rates. : *Superintending Engineer, IIT Hyderabad up to 5% of tendered amount, beyond which, Director, IITH.*

Clause 18:

List of mandatory machinery, tools & plants to be deployed by the contractor at site : *As required for the work.*

Clause 25:

(i) Constitution of Dispute Redressal Committee (DRC) (DRC shall constitute one Chairman and two members)
Competent Authority to appoint DRC : *Director, IIT Hyderabad*

(ii) Place of arbitration : *Hyderabad*

Clause 32: *As required for the work.*

Clause 38

(i): Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates : *DSR – 2021 for Civil and DSR-2018 for Electrical as published by CPWD*

(ii): Variations permissible on theoretical quantities:

- (a) Cement : *2% plus/minus*
- (b) Bitumen All Works : *2.5% plus only & nil on minus side.*
- (c) Steel Reinforcement and structural steel sections for each diameter, section and category : *2% plus/minus*
- (d) All other materials : *Nil*

Special Conditions of Contract

SPECIAL CONDITIONS

1. Before tendering, the contractor shall inspect the site of work and shall fully acquaint himself about the conditions prevailing at site, availability of materials, availability of land and suitable location for construction of godowns, stores and camp, transport facilities, the extent of lead and lifts involved in the work (over the entire duration of contract) including local conditions, as required for satisfactory execution of the work and nothing extra whatsoever shall be paid on this account.
2. The contractor shall at his own expense and risk arrange land for accommodation of labour, setting up of office, the storage of materials, erection of temporary work-shops, and construction of approach roads to the site of the work including land required for carrying out of all jobs connected with the completion of the work. In any case. **IIT Hyderabad (Institute) shall not permit setting up of labour camps within its premises.** If during construction it becomes necessary to remove or shift the stored materials shed workshop, access roads, etc. to facilitate execution of any other work by any other agency, the contractor shall do as directed by the Engineer-in-charge and no claim whatsoever, shall be entertained on this account.
3. It shall be deemed that the contractor shall have satisfied himself as to the nature and location of the work, transport facilities, availability of land for setting up of camp etc. The department will bear no responsibility for lack of such knowledge and the consequences thereof.
4. The contractor shall have to make approaches to the site, if so required and keep them in good condition for transportation of labour and materials as well as inspection of works by the Engineer-in-charge. Nothing extra shall be paid on this account.
5. The contractor shall at his own cost submit samples of all materials sufficiently in advance and obtain approval of the Engineer-in-charge. Subsequently, the materials to be used in the actual execution of the work shall strictly conform to the quality of samples approved by the Engineer-in-charge and nothing extra shall be paid on this account. The acceptance of any sample or material on inspection shall not be a bar to its subsequent rejection, if found defective.
6. The contractor shall at his cost, make all arrangements and shall provide necessary facilities as the Engineer-in-charge may require for collecting, preparing, packing forwarding and transportation of the required number of samples for tests for analysis at such time and to such places as directed by the Engineer-in-charge, and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The cost of tests shall be borne by the contractor/Institute in the manner indicated below (except for water):
 - a) By the contractor, if the results show that the material does not conform to relevant specifications and BIS codes or any other relevant code for which conformity test is carried out.
 - b) By the Institute, if the results show that the material conforms to relevant

specifications and BIS codes or any other relevant code for which conformity test is carried out.

7. Materials used on work without prior inspection and testing (where testing is necessary) and without approval of Engineer-in-charge are liable to be considered unauthorized, defective and not acceptable. The Engineer-in-charge shall have full powers to require removal of any or all of the materials brought to site by contractor which are not in accordance with the contract, Specifications or do not conform in character or quality to the samples approved by the Engineer-in-charge. In case of default on the part of the contractor in removing rejected materials, the Engineer-in-charge shall be at liberty to have them removed at the risk and cost of the contractor.
8. The work shall be carried out in such a manner so as not to interfere/or effect or disturb other works being executed by other agencies, if any.
9. Any damages done by the contractor to any existing work or work being executed by other agencies shall be made good by him at his own cost.
10. The work shall be carried out in the manner complying in all respects with the requirement of relevant rules and regulations of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
11. The contractor shall maintain in good condition all work executed till the completion of the entire work entrusted to the contractor under this contract and nothing extra shall be paid on this account.
12. No payment will be made to the contractor for damage caused by rain, floods and other natural calamities whatsoever during the execution of the works and any damage to the work on this account shall have to be made good by the contractor at his own cost and nothing whatsoever' shall be paid on this account.
- 13. *The Item Rates or Percentage Rates for all items of work, unless clearly specified otherwise shall include the cost of all labour for materials, de-watering and other inputs involved in the execution of the items.***
14. No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc. would be entertained under any circumstances.
15. For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition to the provisions of Safety code and directions of the Engineer-in-charge make all arrangements to provide facility as per the provisions of Indian Standard Specifications (Codes) listed below and nothing extra shall be paid on this account.
 - (a) IS 3696 Part I Safety Code for scaffolds and ladders
 - (b) IS 3696 Part II Safety Code for scaffolds and ladders Part II ladders
 - (c) IS 764 Safety Code for excavation work
 - (d) IS 4081 Safety Code for Blasting and Drilling operations,

- (e) IS4138 Safety Code for working in compressed air.
 - (f) IS 7293 Safety Code for working with construction machinery
 - (g) IS 7969 Safety Code for storage and handling of building materials
 - (h) IS 5216:1982 code of safety procedures and practices in electrical works
16. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.
 17. Labour Welfare Cess @ 1% shall be deducted at source from the bills of Gross value (which includes the cost of stipulated materials) of the work done and Government shall not entertain any claim whatsoever in this respect in this contract.
 18. The ESI and EPF Contribution on the part of the employer in respect of the contract shall be paid by the contractor. This contribution on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in- Charge to the contractor on actual basis. The applicable and eligible amount of EPF and ESI shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order.
 19. No Running Account Bill shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge.
 20. The contractor shall obtain a valid licence under the contract labour (R A) Act, 1970 and the contract labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid licence until the completion of the work. The contractor shall also comply with provision of the Inter- State Migrant Women (Regulation of Employment and conditions of service) Act 1979.
 21. All tools, tackles, safety equipment and labours required for maintenance and testing works / AMC at all levels and heights shall have to be provided by the tenderer at no extra cost.
 22. Spare parts used by vendor should conform to IS specifications as applicable.
 23. Any damaged due to mishandling by the person deputed by the vendor shall have to be restored back to its original condition by the vendor at their own cost.
 24. The contractor shall rectify defects developed in the Systems within AMC period promptly. In case the contractor does not rectify the defects, IITH may restore the System in working condition on contractor's expenses. penalty will be @ 1% of the cost of the system per week or part thereof for the first instance subject to a maximum limit of 10% of the same value.
 25. **Brief description and detailed scope of work is enclosed at Annexure – I.**

Additional Conditions of Contract

1. For Schedule of Quantity (Part-B) contractor has to quote the Plus/Minus percentage (+) or (-) on the spare parts price list as enclosed at Annexure-II. The quoted percentage is uniformly applicable to all the items mentioned at Annexure - II. Based on the quoted percentage, contractor has to supply the materials in the contract period.
2. This AMC contract is for one (03) years but likely to be extended further on mutual discussions on Terms & Conditions and agreement of both the parties.
3. During AMC/Service/Attending breakdown calls for HT 11 KV VCB's & RMU's and 33 KV SF-6 CB's ZS2, existing spares are required to be replaced with new spares for efficient and effective operation. In such instances, the agency shall submit the new spares assessment to the Engineer-In-Charge for review and approval for the replacement of spares.
4. Bids of the Intending bidders shall be evaluated as detailed below with model calculation:

	PART-A (Total quoted amount in Rs.)	PART-B (Quoted in Percentage)				
		Item No. 1.1	Item No. 1.2	Item No. 1.3	Item No. 1.4	Average quoted in % [(R1+R2+R3+R4)/4]
Bidder A	X1	R1%	R2%	R3%	R4%	AR%
Bidder B	X2	R1%	R2%	R3%	R4%	BR%
Bidder C	X3	R1%	R2%	R3%	R4%	CR%

Calculation for Part B = (Part-B estimated amount) X (Average % quoted by the bidder as worked out in above Table.

i.e. Rs. 18,40,800.00 X (AR%/100) = Y1
Rs. 18,40,800.00 X (BR%/100) = Y2
Rs. 18,40,800.00 X (CR%/100) = Y3

Finalization of L1 Bidder:

X1 + Y1 = Z1
X2 + Y2 = Z2
X3 + Y3 = Z3 } **Among 3 bidders as shown above and as per the calculations, the bidder whose combined Part A & Part B rates (i.e. out of Z1, Z2 & Z3) are lowest will be considered for awarding the contract.**

5. Some restrictions may be imposed by the Institutes security staff etc., on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
6. The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charge, which he may be liable.
7. The contractor shall give a **performance test**, if any required of the entire installation(s) as per standing Specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
8. The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services compound walls are to be constructed.
9. As a policy of the Institute, huts for labour are not permitted at the site of work by the contractors. The contractors are required to provide such accommodation outside the premises of the Institute and nothing extra shall be paid on this account.
10. The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving the material and clearance of the same before use in work.
11. No payment shall be made for extra for scaffolding required for external works at all levels.
12. Contractor should arrange to check all VCB's/SF-6 CB's/RMU's for normal operation, VCB's/SF-6 CB's sitting position, Arcing contact, loose connections, Loose connection in neutral wires/Links/Connectors etc.
13. Contractor should clean thoroughly once in a three months, that there should not be any dust/dirt inside the ACBs/MCCBs.
- 14. Contractor should maintain all required spare parts handy for effective maintenance.**
15. Contractor should attend the problems immediately in case of nuisance tripping of breaker/Relays and any other malfunctions.
16. Contractor should ensure that there should not be any modifications in Power & Control supply in the existing system if required, this has to get approved before executing the work & modifications has to be incorporated in the drawing.
17. Contractor should not bypass any safety procedures, accidents caused due to negligence of safety is the sole responsibility of the contractor.
18. Contractor should Display Caution Board while doing maintenance work on Live Parts.

19. The successful bidder will be responsible for the security/insurance of their staff working at site and IIT Hyderabad will not be responsible in any manner in case of any accident / miss-happenings

20. **Reports to be submitted by Contractor**

- (i) The contractor shall submit ~~Fortnight/monthly/Quarterly~~/Half Yearly Operation & Maintenance service reports in a computerized form.
- (ii) The Contractor shall submit breakdown maintenance report in a completion form.

Payment:

- 1. On completion of first service of VCB's/SF-6 CB's payment will be made twice in a year on Pro-rata basis.
- 2. Payment for spares supplied by the contractor against Part-B will be measured and paid separately as per site requirement on prior approval from Engineer In-Charge.

Annexure - I
DETAILED SCOPE OF WORK

The scope of work as mentioned below are the minimum expected from the firm / agency contractor apart from unlimited break down calls and any other work required for operation and maintenance in proper way as per the operation and maintenance manuals of respective equipment and as per good engineering practices will be required to be done under this scope of work.

The work will consist of as below:

EHT SF-6 CB's / VCB's of capacity 11 KV to 33 KV Make: ABB

- A. General Preventive maintenance activity shall be carried out twice in a year
- B. Attending Emergency / break down maintenance - Unlimited calls in the year.
- C. Overhauling, reconditioning & testing of the existing equipment on requirement
- D. Failure analysis for major breakdown

Nature of Work for AMC non-comprehensive:

1. Visual Inspection for any physical damage or defects
2. Through cleaning of the breaker
3. Checking the Manual / electrical ON / OFF operation of Breaker including oiling of moving parts.
4. Checking of all circlips & lock washers
5. Checking Gear box operation
6. Checking the tightness of breaker critical settings, nuts & bolts
7. Lubrication of the breaker Mechanism and panel rack in / out mechanism wear & tear spare parts
8. Checking the Electrical Operations of panel including tripping mechanism
9. Checking the functional operation of panel
10. Checking Breaker Auxiliary switch operation
11. Checking test /service Aux switch operation
12. Checking spring charge limit switch operation
13. Checking front drive key operation in test condition
14. Checking front drive operation in service condition
15. Checking of vacuum interrupter
16. Checking of contact arm assembly and complete cleaning of contact surface
17. Checking the alignment of PT truck

18. Checking the control plug arrangement & alignment
19. Checking smoothness and ease of operation (both closing and opening)
20. Checking the complete rack-in rack-out operation
21. Operation counter condition
22. Checking of proper alignment of the shutters (Visual Check)
23. Checking of power contact alignment in panel (bus shut down is compulsory)
24. Checking of mechanical inter locking system
25. Visual checking of all insulators, bushings & shrouds
26. Arresting the openings for rodent entry
27. Tightness of main bus bar joints
28. Checking for control voltage healthiness
29. Checking of Insulation resistance of VCB /VC
30. Measurement of roller Gap (1.0mm +/- 0.2 mm)
31. Checking of Damping Gap should not be ZERO
32. Checking of Shock Absorber nut for loose contact and check for oil leakage
33. Checking for Gas leakage and filling of gas if required.

EHT RMU's (SF-6 CB's) of capacity 11 KV to 33 KV Make: ABB

- A. General Preventive maintenance activity shall be carried out twice in a year
- B. Unlimited Emergency / break down calls in the year.
- C. Overhauling, reconditioning & testing of the existing equipment on requirement
- D. Failure analysis for major breakdown

Nature of Work for AMC non-comprehensive:

- 1 Visual Inspection for any physical damage or defects
- 2 Through cleaning of the breaker
- 3 Checking the Manual / electrical ON / OFF operation of Breaker including oiling of moving parts.
- 4 Checking of all cir-clips & lock washers
- 5 Checking Gear box operation
- 6 Checking the tightness of breaker critical settings, nuts & bolts
- 7 Lubrication of the breaker Mechanism and panel rack in / out mechanism wear & tear spare parts
- 8 Checking the Electrical Operations of panel including tripping mechanism
- 9 Checking the functional operation of panel
- 10 Checking Breaker Auxiliary switch operation
- 11 Checking test /service Aux switch operation

- 12 Checking spring charge limit switch operation
- 13 Checking front drive key operation in test condition
- 14 Checking front drive operation in service condition
- 15 Checking of vacuum interrupter
- 16 Checking of contact arm assembly and complete cleaning of contact surface
- 17 Checking the control plug arrangement & alignment
- 18 Checking smoothness and ease of operation (both closing and opening)
- 19 Operation counter condition
- 20 Checking of proper alignment of the shutters (Visual Check)
- 21 Checking of power contact alignment in panel (bus shut down is compulsory)
- 22 Checking of mechanical / Electrical inter locking system
- 23 Visual checking of all insulators, bushings & shrouds
- 24 Arresting the openings for rodent entry
- 25 Tightness of main bus bar joints
- 26 Checking for control voltage healthiness
- 27 Checking of Insulation resistance of RMU
- 28 Measurement of roller Gap (1.0mm +/- 0.2 mm)
- 29 Checking of Damping Gap should not be ZERO
- 30 Checking for Gas leakage and filling of gas if required

Routine Tests for SF-6 CB's & VCB's: ONES in the Contract Period: (Once in a Year)

1. Testing of protection relays and calibration by secondary Injection system
2. Testing of CB contact resistance, Contact condition of the pole
3. Interrupter healthy check by HV test
4. Insulation resistance test, Time travel test
5. Panel testing by primary injection test kit
6. CT's & PT's testing for IR values- primary to primary, Primary to secondary, primary to earth terminal, secondary to earth terminal, ratio test, all type connection test.

Reports to be submitted in duplicate:

1. Breaker & RMU Service / Test report (Twice in a Year)
2. Relays calibration / test report (Once in a Year)
3. CT / PT test report (Once in a Year)

Exclusions:

1. Repair of Relays
2. Repair of CT's & PT's
3. Spare parts required to repair VCB / SF-6 CB's / RMU
4. Shifting of breaker & material from stores to work site (one place to another place).

5. Shifting of replaced breakers & other material from work site to stores / Scrap yard

Client / IITH side:

1. Shut down period shall be intimated 15 days prior to the shutdown date by the client
2. Local conveyance from Guest house to site and back to be provided by the client
3. Guest house for service engineers to stay at site or by near place by the client
4. Local conveyance from Sub-station to Sub-station to be provided by the client
5. Consumables like cleaning material, Malmal cloth, grease, oil etc. shall be provided by the client
6. Technical staff from IITH to take care of shutdown & to be present at location for further support in maintenance work.

CHECK LIST FOR PREVENTIVE MAINTENANCE

Sl. No.	Activity	Action	Action	Remarks
1	Mimic diagram checking	YES	NO	
2	Spring charging of HT breaker by manual operation	YES	NO	
3	Spring charging of HT breaker by motor if available	YES	NO	
4	All limit switch operation healthiness for motorised module	YES	NO	
5	Closing of breaker by push button	YES	NO	
6	Opening of breaker by push button	YES	NO	
7	BKR ON / OFF Indication sticker	YES	NO	
8	Dis-connector closing and opening	YES	NO	
9	Dis-connector Earth switch closing and opening checking	YES	NO	
10	Dis-connector ON / OFF indication sticker	YES	NO	
11	Remote close of BKR if closing coil available	YES	NO	
12	Remote opening of BKR by series trip coil	YES	NO	
13	Remote opening of BKR by shunt trip coil if available	YES	NO	
14	Pad Lock movement of dis-connector and Breaker	YES	NO	
15	Inter Lock between breaker on condition and dis-connector	YES	NO	
16	Inter locking between BKR OFF condition and Dis-connector	YES	NO	
17	Cable door interlock with Earth switch ON /OFF condition	YES	NO	
18	Handle locator of Dis-connector healthiness	YES	NO	
19	Inter lock of cable door with respect to BKR and dis-connector	YES	NO	
20	Relay self-power battery healthiness- if self-power	YES	NO	
21	Relay display healthiness	YES	NO	
22	Remote closing -if available	YES	NO	
23	Series trip coil healthiness	YES	NO	
24	Remote tripping of relay	YES	NO	
25	Shunt trip coil healthiness / remote tripping	YES	NO	

26	Termination boots position / termination bushing cover	YES	NO	
27	Proper termination boot Earthing for 22/33 KV	YES	NO	
28	Termination tightness (30/50 Nm)	YES	NO	
29	Terminated cable support condition	YES	NO	
30	Cable Gland sealing checking	YES	NO	
31	VPIS healthiness OK	YES	NO	
32	CT ratio installed in BKR compartment	YES	NO	
33	CT connector tightness	YES	NO	
34	Cable boot fixing healthiness	YES	NO	
35	Cable boot Earthing for 22/33 KV	YES	NO	
36	Cable support	YES	NO	
37	Cable gland provision	YES	NO	
	Check list for RMU preventive maintenance			
38	Grouting of frame / channel on foundation tightened	YES	NO	
39	Earthing connection of RMU	YES	NO	
40	Outer visual inspection of RMU	YES	NO	
41	Sealing of RMU / any opening for insertion RMU	YES	NO	
42	SF-6 gas level indication position in zone	YES	NO	
43	Dc power pack operation healthiness -24 V	YES	NO	
44	Battery 24 V DC requirement / availability	YES	NO	
45	230 V AC supply requirement / availability	YES	NO	
46	Coupling box cover fixing if RMU extensible and coupled	YES	NO	
47	Coupling boot Earthing	YES	NO	
48	Not any opening on box up	YES	NO	
49	Not any opening on box up	YES	NO	
50	Electrical testing status	YES	NO	
	Operation check point for Isolator / Cable switch Module			
51	Operational check points for Isolator Module	YES	NO	
52	MIMIC diagram checking	YES	NO	
53	Isolator / cable switch on /off manual operation by handle	YES	NO	
54	Isolator / cable switch on // off operation by motor operation if available (locally)	YES	NO	
55	Isolator / cable switch off operation by motor	YES	NO	

	operation if available (remotely)			
56	Isolator / cable switch off operation by motor operation if available (remotely)	YES	NO	
57	All limit switch operation healthiness for motorised RMU	YES	NO	
58	Padlock movement of Isolator / cable switch	YES	NO	
59	Isolator on / off Indication sticker	YES	NO	
60	Earth switch operation	YES	NO	
61	Cable door opening and closing smoothness	YES	NO	
62	Cable door interlock with earth switch on / off condition	YES	NO	
63	Handle locator of dis-connector healthiness	YES	NO	
64	VPIS healthiness	YES	NO	
65	Pad lock and selector switch movement	YES	NO	
66	Termination tightness	YES	NO	
67	Cable boot Earthing for 22 KV / 33 KV	YES	NO	
68	Cable boot Earthing for 22 Kv /33 KV	YES	NO	
69	Cable support	YES	NO	
70	Cable gland provision	YES	NO	

OTHER CONDITIONS:

1. Breaker (VCB) / RMU servicing will be done two times in the contract period i.e., once in six months.
2. CT/ PT / RELAY testing shall be done one time in each Year of contract period.
3. Unlimited Emergency breakdown calls shall be attended.
4. Emergency / Breakdown call should be attended within 6 hours of call register.
5. Spares parts required during servicing / breakdown time has to be supplied by the contractor on approval by the Engineer-in-Charge as per the list attached and will be paid separately.

TABLE – 1: DETAILS OF 11KV VCB's & 33KV SF-6 CB's

Sl. No	Location	33 KV SF-6 CB's			11 KV VCB's				
		SF-6	Bus Coupler	Bus Raiser	VCB		BC	Bus Raiser	11 KV RMU
		1250 A	1250 A	1250 A	800 Amps	630 Amps	800 Amps	800 Amps	800 Amps
1	CPDCL Panel Room	4	1	1	0	0	0	0	0
2	IITH panel Room	4	1	1	0	0	0	0	0
3	MRS	0	0	0	4	12	2	2	0
4	11 KV DG panel	0	0	0	5	0	1	1	0
5	ESS -7 (SV-7)	0	0	0	1	2	0	0	1
6	ESS -8 (SV-8)	0	0	0	1	2	0	0	1
7	ESS- 9 / WTP/ SV-16	0	0	0	1	2	0	0	1
8	ESS-1A (SV-11)	0	0	0	1	2	0	0	1
9	ESS- 2 / SV-14	0	0	0	1	2	0	0	1
10	ESS-4A/ SV-15	0	0	0	1	3	0	0	1
11	ESS 4B1 / SV-15	0	0	0	1	2	0	0	1
12	AC Plant -I	0	0	0	1	2	0	0	1
13	ESS- 1B / SV-18	0	0	0	1	2	0	0	1
14	AC Plant -II	0	0	0	1	2	0	0	1
15	4 pole Structure	1	0	0	0	0	0	0	0
	Total	9	2	2	19	33	3	3	10
	Grand Total		11				55		10

Annexure-II
(Enclosure to Part-B Financial Bid)

<u>SAFEPLUS RING MAIN UNIT SPARES PRICELIST</u>			
Sl. No.	Item Code	Item Description	LIST PRICE
1	NHP201699R1	Bushing 400 Series Bolted Type	₹ 9,366.93
2	NHP402076P15	O Ring 72 x 6 BUSHING 400 SERIES BOLTED	₹ 642.99
3	S194-5600-103-17	SF6 GAS CYLINDER (9 KGs./CYL.)	₹ 69,284.41
4	NHP304961P1	SHAFT FOR OPERATING HANDEL	₹ 761.84
5	NHP101985R002	2PA Mechanism w/o hex rod	₹ 49,178.80
6	1VDP000142R1	TRIP COIL SAFEFO FORCE AMPL WIC & ASHDA	₹ 6,542.25
7	NHP201703R1	Linkage between K and A	₹ 3,215.97
8	4200444079.9002	ASHIDA ADR241S NANO RELAY with MODBUS	₹ 47,463.60
9	1SFA616199R1104	PUSH BUTTON RED W/ LABEL "O"	₹ 1,087.65
10	1SFA616199R1106	PUSH BUTTON GREEN W/LABEL "I"	₹ 1,087.65
11	NHP201536P1	BRACKET 'A' Mechanism hldg 2 pushbuttons	₹ 1,095.28
12	2RAA011099A0001	Opening Finger, Manual Operating_D	₹ 550.00
13	2RAA011100A0001	Closing Finger, Manual Operating_C	₹ 684.00
14	NHP101935R2	3PKE Mechanism w/o hex rod	₹ 44,739.20
15	NHP201495P1	BRACKET for 'K' Mechanism	₹ 1,150.00
16	NHP304233P1	BRACKET FOR CT MTG RMU RHS	₹ 401.18
17	PTMVT120702-01	24 kV VPIS cord	₹ 1,581.25
20	YN1V400916-587	Capacitor Unit, VPIS, 9-15kV without cord	₹ 11,393.05
21	1VYN400250-024	LEAK DETECTOR : TYPE LS790B LEAK SEEKER	₹ 96,449.06
22	IN54280001-K	PRESSURE REFILLING EQUIPMENT(KAR-6)	₹ 32,901.50
23	4200669056.9005	RONIS KEY WITH HARDWARE	₹ 31,850.50
24	4200040617.1001	RONIS LOCK & KEY FOR RMU WITH KEY A	₹ 6,394.64
25	4200130305.9001	RONIS KEY INTERLOCK OF LBS WITH KEY C	₹ 6,394.64
26	4200033538.9005	RONIS INTERLOCK EL11P OF LBS WITH KEY B	₹ 6,450.00
27	NHP201487R001	Fuse Holder Assembly	₹ 18,415.95
28	1VYN303050-060	TERMINAL PROTECTOR SILCAB (RAYCHEM) for 11kV	₹ 6,507.14
29	1VYN403250-92N	T SHROUD (NEW) for 11kV	₹ 6,423.31
30	NHSN620024P2	CROOS ADAPTER SET (REF: 26 129 73) for 22kV	₹ 1,20,214.10
31	2REA024265P0001	Reducer Stud for Cable Bushing_A	₹ 168.74
32	NHP304453R1	Trip Coil Only Y1 Control Volt 24 VDC	₹ 2,316.10
33	NHP304453R6	Close Coil Only Y2 Control Volt 24 VDC	₹ 2,316.10
34	NHP402076P24	O Ring 65 x 5 For LBS Mech Bushing	₹ 1,293.75
35	NHP201491R1	Spring charging Motor with Gear 24 V DC	₹ 48,539.20
36	YN1V400929-420	WIKA make Manometer+Gas density switch	₹ 39,049.03
37	4200901778.9004	ELECTRONIC MOTOR KIT FOR C MODULE-MGVCL	₹ 14,691.00
38	YN1V400922-023	STANDARD MOTORIZED KIT FOR V MODULE	₹ 56,624.29
39	NHP304264P1	BRACKET-FOR RMU (New Indication)	₹ 225.40

40	1VDP001531P001	Position indicator	₹ 179.85
41	1VDP002477P001	Indicator local	₹ 386.07
42	1VDP002579P001	Shaft	₹ 913.72
43	1VYN403050-496	Indicator Flag C-module OFF	₹ 29.75
44	1VYN403050-498	Indicator Flag C-module ON	₹ 29.75
45	1VYN403050-499	Indicator Flag C-module PLAIN	₹ 36.91
46	2REA013719P0001	Manometer Assy._A	₹ 14,234.27
47	YN1V400922-022	STANDARD MOTORIZED KIT FOR C MODULE	₹ 36,650.50
48	1VYN401350-173	BATTERY -12VDC ,12AH	₹ 7,254.95
49	YN1V400916-588	Capacitor Unit,VPIS 15-24kV without cord	₹ 4,654.80
50	2REA020480A0001	S series bushings	₹ 5,684.30
51	3WEA010283P0001	O ring for S series bushing	₹ 210.00
52	2REA022706P0001	VPIS Bracket_B (FOR V MODULE - EL MECHANISM)	₹ 645.00
53	2REA021191P0001	Upper bracket for VPIS (FOR C MODULE)	₹ 384.52
54	1VYN303050-115	BRACKET - VPIS BOTTOM(FOR V MODUL GPV MECH)	₹ 290.00
55	1VYN403050-123	HEAD M4-0.7PX10mm M/C SCREW - VPIS BRCKT HRDWARE	₹ 85.00
56	2REA020486P0001	Clamping Plate_A(FOR S SERIES BUSHING)	₹ 850.34
57	NB336174P567	WAVE WASHER M12	₹ 110.00
58	NHP403206P1	Spacer 13 x 16 x 20 mm	₹ 110.00
59	NHP402158P2	Clamping Nut M8 X 21	₹ 120.00
60	NHP304737P1	Cable Bushing plate CLAMPING(24 KV -400 SERIES BUSHING)	₹ 894.36
VIND SPARES PRICE LIST			
1	500595-811	TULIP CONTACT. 40KA 1250A , 12 FINGER	₹ 10,660.50
2	500595-812	TULIP CONTACT ASSLY.(8 FINGAR) 630/800A	₹ 6,337.60
3	510428-801	TRIPPING SPRING ASSEMBLY	₹ 1,680.35
4	2REA019944A0001	POLE -1250A	₹ 1,14,284.42
5	2REA023459A0001	POLE - 630A	₹ 1,06,704.21
6	2REA021473A0001	INSULATINGCAP ASSEMBLY (upto 1250A)	₹ 1,585.00
7	2REA019945A0001	SLIDING POCKET CONTACT	₹ 7,150.27
8	2REA021280P0001	AUXILLIARY SWITCH (5NO+5NC)	₹ 5,053.60
9	HAGT444559P5	CONTROL SWITCH (2REA021282P0001)	₹ 860.67
10	510753-801	OPERATION COUNTER	₹ 2,880.00
11	166010-001	PRESA PER ACCESSORI (SOCKET)	₹ 392.19
12	1VCR002352G0001	Coil SUPPORT (EL) (1VCF339799R0271)	₹ 3,637.00
13	1VCR004290G0002	MU Coil Assly (30VDC)	₹ 13,307.15
14	1VCR003131G0005	APPL. -RL1 (110 V AC/DC)	₹ 11,814.95
15	1VCR003131G0007	VD4 APPL. -RL1 220/240 V AC	₹ 12,874.48
16	1VCR002985G0001	MO2 Assy. (24Vcc)(Additional Trip)	₹ 8,274.45
17	1VCR002985G0003	MO2 Assy. (48Vca-Vcc)(Additional Trip)	₹ 13,821.00
18	1VCR002985G0005	MO2 Assy.(110-127Vca/110-132Vcc) ADD. TR.	₹ 16,825.20
19	1VCR002985G0007	MO2 Assy. (220-250Vca/220-250Vcc) ADD. TR	₹ 9,975.69
20	1VCR004289G0001	Opening coil 24VDC MO	₹ 10,750.00
21	1VCR004289G0002	MO Opening coil (30V DC)	₹ 9,940.35

22	1VCR004289G0003	VD4 MO Opening coil 48VDC	₹ 15,584.60
23	1VCR004289G0005	Open. Coil Mo1 (110-132V DC)	₹ 8,740.25
24	1VCR004289G0007	Open. Coil Mo1 (220-250V DC/220-250V AC)	₹ 12,530.50
25	1VCR004290G0001	MU Coil Assly. (24V DC) (Undervoltage)	₹ 9,410.12
26	1VCR004290G0003	MU. Coil Assly.(48V AC-DC)(Undervoltage)	₹ 7,695.55
27	1VCR004290G0005	MU Co. As.(110-132V DC/110-127V AC)(U/V)	₹ 10,645.30
28	1VCR004290G0007	VD4 MU Co. Asly.(220-250V DC/220-250VAC1	₹ 13,200.00
29	1VCR004291G0001	SHUNT CLOSING RELEASE -MC 24VDC	₹ 10,746.07
30	1VCR004291G0002	MC Closing Coil (30V DC)	₹ 9,610.98
31	1VCR004291G0003	VD4 MC Closing Coil (48V AC-DC))	₹ 14,736.98
32	1VCR004291G0005	MC Closing Coil(110-132V DC)	₹ 9,815.69
33	1VCR004291G0007	MC Closing Coil(220-250V DC/220-250V AC)	₹ 12,417.02
34	1VCR012079G0005	GEARED MOTOR 220-250V dc-cc	₹ 28,362.49
35	1VCR012079G0003	MOTOR 100-130V dc-ac (1VCR005093G0003)	₹ 36,457.74
36	1VCR012079G0002	GEARED MOTOR 48-60V dc	₹ 35,205.88
37	1VCR012079G0004	GEARED MOTOR 220-250V ca-ac (50-60HZ)	₹ 24,220.05
38	510507-810	OPER. MECH EL2 Vmax. (1VCF339799R0104)	₹ 43,650.09
39	GCE7109399R0122	AUX. SWITCH. 2O 3C SILVERED	₹ 4,137.66
40	GCE7109399R0121	AUXILIARY SWITCH.3O 2C SILVERED	₹ 4,137.66
41	510591-801	SHOCK ABSORBER ASSY.	₹ 13,597.04
		VD4 SPARES PRICE LIST	
1	500595-801	TULIP CONTACTS (12 FINGERS)	₹ 7,908.59
2	500595-802	TULIP CONTACT ASSEMBLY(8 FINGER)	₹ 11,611.33
3	500595-811	TULIP CONTACT. 40KA 1250A , 12 FINGER	₹ 10,660.50
4	500595-812	TULIP CONTACT ASSLY.(8 FINGAR)	₹ 6,337.29
5	500595-818	TULIP CONTACT ASSLY.(10 FINGER)	₹ 8,671.24
6	1VYN400901-ACW	Contact Arm 12.12.40 (P210) Contact Arm 07.12.40 (P150) Contact Arm 07.12.40 (P210)	₹ 10,631.93
7	1VYN400901-YM	Contact Arm 12.16.40 (P210) Contact Arm 07.16.40 (P150)	₹ 37,447.12
8	1VYN400901-TW	Contact Arm 12.20.40 - 40 Deg amb (P210)	₹ 50,492.76
9	1VYN400901-TY	Contact Arm 12.20.40 - 50 Deg amb (P 275) Contact Arm 12.25.40 - 40 Deg amb (P 275) Contact Arm for 12.25.40 - 50deg amb (P275)	₹ 72,751.20
10	1VB7001118P0102	Contact Arm 12.31.40 (P275)	₹ 65,632.03
11	1VYN400901-EAL	Contact Arm 12.12.25 (P150)	₹ 16,682.81
12	1VYN400901-DAL	Contact Arm 36.12.32 (P 275)	₹ 17,148.74
13	1VYN401901-DS	Contact Arm 36.16.32 (P 275)	₹ 38,481.07
14	1VYN400901-BAV	Contact Arm 36.20.32 (P 275)	₹ 82,331.40
15	1VYN400901-AAG	Common Truck 12.12.40 (P210) Common Truck 12.16.40 (P 210) Common Truck 12.20.40 - 40 Deg amb (P210) Common Truck 12.20.40 - 50 Deg amb (P 275) Common Truck 12.25.40 - 40 Deg amb (P 275)	₹ 49,765.20
16	1VYN400901-ABF	Common Truck 12.25.40 - 50deg amb (P275) Common Truck 12.31.40 (P275)	₹ 52,506.70
17	1VYN400901-AFW	Common Truck 12.12.25 (P 150)	₹ 39,858.04
19	1VYN400901-ABG	Common Truck 12.25.40 - 50deg amb (P275) Common Truck 12.31.40 (P275)	₹ 51,453.13
23	166010-001	PRESA PER ACCESSORI (SOCKET)	₹ 378.00
24	1VCR002352G0001	Coil SUPPORT (EL) (1VCF339799R0271)	₹ 3,536.25

25	1VCR004290G0002	MU Coil Assly (30VDC)	₹ 13,297.15
26	1VCR003131G0005	APPL. -RL1 (110 V AC/DC)	₹ 11,814.88
27	1VCR003131G0007	VD4 APPL. -RL1 220/240 V AC	₹ 12,724.48
28	1VCR002985G0001	MO2 Assy. (24Vcc)(Additional Trip)	₹ 8,274.43
29	1VCR002985G0003	MO2 Assy. (48Vca-Vcc)(Additional Trip)	₹ 13,821.49
30	1VCR002985G0005	MO2 Assy.(110-127Vca/110-132Vcc)ADD. TR.	₹ 16,825.12
31	1VCR002985G0007	MO2 Assy. (220-250Vca/220-250Vcc)ADD. TR	₹ 9,930.39
32	1VCR004289G0001	Opening coil 24VDC MO	₹ 8,274.43
33	1VCR004289G0002	MO Opening coil (30V DC)	₹ 8,635.13
34	1VCR004289G0003	VD4 MO Opening coil 48VDC	₹ 15,439.34
35	1VCR004289G0005	Open. Coil Mo1 (110-132V DC)	₹ 8,664.88
36	1VCR004289G0007	Open. Coil Mo1 (220-250V DC/220-250V AC)	₹ 12,416.52
37	1VCR004290G0001	MU Coil Assly. (24V DC) (Undervoltage)	₹ 9,383.19
38	1VCR004290G0003	MU. Coil Assly.(48V AC-DC)(Undervoltage)	₹ 7,694.55
39	1VCR004290G0005	MU Co. As.(110-132V DC/110-127V AC)(U/V)	₹ 10,602.98
40	1VCR004290G0007	VD4 MU Co. Asly.(220-250V DC/220-250VAC1	₹ 13,198.89
41	1VCR004291G0001	SHUNT CLOSING RELEASE -MC 24VDC	₹ 10,706.07
42	1VCR004291G0002	MC Closing Coil (30V DC)	₹ 10,825.65
43	1VCR004291G0003	VD4 MC Closing Coil (48V AC-DC))	₹ 14,721.98
44	1VCR004291G0005	MC Closing Coil(110-132V DC)	₹ 9,815.69
45	1VCR004291G0007	MC Closing Coil(220-250V DC/220-250V AC)	₹ 12,417.02
46	1VCR012079G0005	GEARED MOTOR 220-250V dc-cc	₹ 28,362.49
47	1VCR012079G0004	GEARED MOTOR 220-250V ca-ac (50-60HZ) (AC/DC)	₹ 24,219.05
48	1VCR012079G0003	MOTOR 100-130V dc-ac (1VCR005093G0003)	₹ 36,457.74
49	1VCR012079G0002	GEARED MOTOR 48-60V dc	₹ 35,210.88
50	1VCR012079G0004	GEARED MOTOR 220-250V ca-ac (50-60HZ)	₹ 24,220.05
51	GCE7109399R0122	AUX. SWITCH. 2O 3C SILVERED	₹ 4,137.66
52	GCE7109399R0121	AUXILIARY SWITCH.3O 2C SILVERED	₹ 4,137.66
53	510591-801	SHOCK ABSORBER ASSY.	₹ 13,597.04
54	1VYN400901-WH	CABLE STEM VD4(EL) (64 PIN PLUG)	₹ 28,540.00
55	GCE7109399R0119	AUXILIARY SWITCH 5C- SILVERED (BT1/BT2)	₹ 11,176.50
56	1VYN400901-BAM	COMMON TRUCK ASSY- EARTHING ASSLY(36KV)	₹ 49,780.75
57	509961-801	BLACK BOX ASSLY.- Door Lock - EL Mech. VD4	₹ 680.92
58	506956-001	Shutter Lifting Bracket LEFT 36KV	₹ 2,689.75
59	506956-002	Shutter Lifting Bracket RIGHT 36KV	₹ 2,689.75
60	1VCR003909F0001	Shutter Lifting Bracket LEFT/RIGHT 12KV	₹ 650.81
61	1VCR019195G0001	MICRO SW ASSLY FOR CLOSING SPRING	₹ 4,455.95
62	1VCR006468G0001	CLOSING SPRING MICRO	₹ 2,750.57
63	510507-805	EL3 DRIVE COMPLETE	₹ 46,874.24
UniGear ZS2 –Spare Part List			
1	1YTW573426-100	BUSHING ASSEMBLY-1250A	₹ 20,151.32
2	1YTW573426-048	BUSHING ASSEMBLY- 2000A	₹ 34,938.66
3	1VYN304301-FF	BUSHING ASSEMBLY- 2500A	₹ 33,460.59
4	1VYN304301-FE	Epoxy Bushing Completion	₹ 31,210.62
5	1VYN304301-J	Support Insulator	₹ 8,260.77
6	1VYN304350-065	Barrier for ES w fixed Contact	₹ 4,049.31
7	1YTW573427-151	Ball Bearing for Shutter Assly (1250A-2000A)	₹ 1,056.93
8	IN22130004-5	Ball Bearing for Shutter Assly (2500A)	₹ 1,085.42

9	1VYN404350-006	HANDLE	₹ 5,680.31
10	1VYN404350-074	RAMP	₹ 1,793.95
11	1VYN302901-Z	RACK.HANDLE	₹ 3,185.64
12	143429-802	EarthSwitch-EK6 Operating Handle	₹ 15,893.00
13	1YTW572704-321	CB DOOR INTERLOCK 24VDC	₹ 5,598.13
14	1YTW572704-322	CB DOOR INTERLOCK 48VDC	₹ 5,598.13
15	1YTW572704-323	CB DOOR INTERLOCK 60VDC	₹ 5,620.30
16	1YTW572704-324	CB DOOR INTERLOCK 110VDC	₹ 64,400.00
17	1YTW572704-325	CB DOOR INTERLOCK 220VDC	₹ 9,548.46
18	1YTW572704-327	CB DOOR INTERLOCK 220VAC	₹ 1,03,778.96
19	588064-804	Electromechanical Lock for ESw110VDC	₹ 79,570.46
20	588064-808	Electromechanical Lock for ESw 30VDC	₹ 6,930.78
21	588064-810	Electromechanical Lock for ESw 250VDC	₹ 4,455.42
22	1VYN404301-FJ	Adjustable Breaker Transport Trolley - ZS2	₹ 86,235.71
23	1VYN404301-TS	FRCB Trolley (Swivelling Wheel)-36kV VD4	₹ 89,917.10
24	1VYN404301-ZFW	Adjustable C.B.Trolley(Outdoor) KISOSK	₹ 97,065.00
SAFELINK SPARES			
1	1VCR012079G0001	GEARED MOTOR 24VDC (MS)	₹ 26,010.72
2	1VCR012079G0002	GEARED MOTOR 48-60V dc	₹ 35,512.00
3	1VCR012079G0003	GEARED MOTOR 100-130V dc-ac (50-60HZ)	₹ 36,457.74
4	1VCR012079G0004	GEARED MOTOR 220-250V ca-ac (50-60HZ)	₹ 24,429.65
5	1VCR012079G0005	GEARED MOTOR 220-250V dc-cc	₹ 28,609.15
6	1VCR004291G0001	SHUNT CLOSING RELEASE -MC 24VDC	₹ 10,798.17
7	1VCR004291G0003	VD4 MC Closing Coil (48V AC-DC))	₹ 14,820.98
8	1VCR004291G0005	SHUNT CLOSING RELEASE 110VDC/AC -MC	₹ 9,865.69
9	1VCR004291G0007	MC Closing Coil(220-250V DC/220-250V AC)	₹ 12,650.02
10	1VCR004289G0001	Tripping coil of VD4 24 VDC	₹ 10,700.62
11	1VCR004289G0003	VD4 Open. Coil MO1 (48V AC-DC))	₹ 15,460.34
12	1VCR004289G0005	SHUNT OPENING RELEASE 110DC/AC -M01	₹ 8,664.88
13	1VCR004289G0007	Open. Coil Mo1 (220-250V DC/220-250V AC)	₹ 12,485.52
14	1VCR002985G0001	MO2 Assy. (24Vcc)(Additional Trip)	₹ 8,274.35
15	1VCR002985G0003	MO2 Assy. (48Vca-Vcc)(Additional Trip)	₹ 13,821.44
16	1VCR002985G0005	MO2 Assy.(110-127Vca/110-132Vcc)ADD. TR.	₹ 16,835.12
17	1VCR002985G0007	MO2 Assy. (220-250Vca/220-250Vcc)ADD. TR	₹ 9,976.39
18	2REA016209A0001	BKR Auxiliary Switch Assy._C	₹ 2,950.06
19	510831-802	Closing spring signaling	₹ 2,724.06
20	NZN000859P11	SWITCH ELEMENT S826 E/L	₹ 4,596.84
21	2REA009781A0001	Auxiliary Switch Assembly_A	₹ 4,592.20
22	2REA010678A0001	EL2 Mechanism Safe Link CB Assy._C	₹ 48,464.98
23	2REA016749A0001	Disconnecter Mechanism assembly	₹ 13,535.15
24	2REA009811A0004	Ring switch mechanism RH	₹ 26,015.11
25	2REA014003A0001	Ring switch mechanism LH	₹ 26,015.11
26	2REA010249A0001	Bushing+Contact Knives Assembly RH_B	₹ 18,975.74
27	2REA010249A0002	Bushing+Contact Knives Assembly LH_B	₹ 18,975.74
28	2REA010376A0002	TP bushing assembly	₹ 5,621.09
29	2REA009169A0001	T-off cable bushinng	₹ 19,620.25
30	YN1V400916-587	Capacitor Unit, VPIS, 9-15 kV With Cord	₹ 11,492.12

31	2REA014974P0002	VPIS Cable Switch L1-0.7, L2-0.6, L3-0.5	₹ 1,689.82
32	2REA014974P0001	VPIS CableT-Off L1-1.36,L2-1.255,L3-1.15	₹ 1,965.92
33	2REA014911A0001	LHS Cablebox Cover Assembly	₹ 11,432.95
34	2REA014911A0002	RHS Cablebox Cover Assembly	₹ 11,532.37
35	2REA013638A0001	T-off Cablebox Cover Assembly	₹ 19,553.89
36	YN1V400919-532	ABB RELAY TYPE REJ 603-REJ603BB401NN3XE	₹ 40,834.48
37	2REA017122A0001	Operating Handle Assembly_C	₹ 3,280.07
38	510753-802	OPERATION COUNTER	₹ 3,120.92
39	1VYN303050-060	TERMINAL PROTECTOR SILCAB (RAYCHEM)	₹ 6,509.14
40	2REA016775A0001	OPENING SOLENOID ASSEMBLY_B	₹ 5,970.25
41	308(A)-02	GAS SPRING FRONT DOOR_03	₹ 1,890.58
42	2REA013719P0001	Manometer assembly	₹ 14,350.35
43	2REA013719P0002	Mamometer with density switch assembly	₹ 12,950.33
44	2REA016865A0001	Rotary selector	₹ 13,450.11
45	2REA015086A0001	TP box with Cu strip assembly RH	₹ 13,990.58
46	2REA015086A0002	TP box with Cu strip assembly LH	₹ 13,990.58
47	1VYN403001-SP	EASI TYPE E/F INDICATOR (EMG) -ER 20-300	₹ 27,423.00
48	YN1V400924-771	E/F INDICATOR TYPE -EFL- (EMG)	₹ 19,835.00
49	YN1V400923-791	EASI TYPE E/F INDICATOR (EMG)-ER 100-240	₹ 24,423.00
50	YN1V400919-531	SHT CKT. & EARTH F.IND. TYPE EKL- 8000-3	₹ 27,875.00
51	YN1V400922-042	SHT CKT. & EARTH F.IND. TYPE EKL- 8000-3	₹ 41,994.00
52	2REA013696A0001	CT Assembly_A000-SAFE LINK CT -W2 Type_B	₹ 10,875.26
53	4200441326.3001	RMU CT TYPE W3 (28.8/0.075A)- SAFELINK	₹ 12,450.87
54	5000023743.3001	SAFE LINK CT -W4 TYPE-64A-224A	₹ 13,450.48
55	5000023547.3001	SAFE LINK CT -W5 TYPE-128A-448A	₹ 14,678.11
56	4200434336.9001	SELF POWERED ADR241S NANO RELAY ASHIDA	₹ 49,345.77
57	4200470047.9001	SELF POW. ADR141S NANO RELAY OF ASHIDA	₹ 39,446.20
58	1VCR002352G0001	Coil Mounting Base Plate	₹ 3,685.00
59	2REA017098A0001	Extensible Bushing	₹ 10,385.80
60	2REA010180A0001	VCB Mechanical Bushing with Linkage	₹ 20,345.91
61	2REA010794A0006	Mechanical Gland Assembly "Ring ON"	₹ 9,450.77
62	2REA017300A0001	Extensible Coupling Assy.	₹ 4,480.92
63	2REA017281A0001	Raychem Straight Boots_ RCAB-4120	₹ 17,658.00