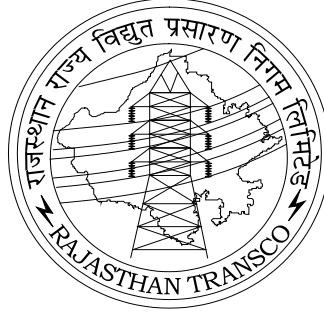


RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED



BID ENQUIRY NO.

BN-9016002222

BIDDING DOCUMENTS

FOR

**PURCHASE OF 37 NOS. OF 250KVA, 33/0.415 KV COPPER WOUND NATURAL
COOLED SUB-STATION TRANSFORMERS AND COMPLETE ACCESSORIES ON
RATE CONTRACT BASIS.**

**PURCHASE OF 250KVA, 33/0.415 KV COPPER WOUND NATURAL
COOLED SUB-STATION TRANSFORMERS AND COMPLETE
ACCESSORIES ON RATE CONTRACT BASIS**

PROC-II/NIB-08/2022-23/BN-9016002222	
Bid No.:9016002222 (specification NO. RVPN/SE/PROC.II/XEN-V/A-1/BN- 9016002222)	
Mode of Bid Submission	Online through e-Procurement/ e-Tendering system at https://eproc.rajasthan.gov.in
Procuring Authority	SE(Procurement-II), RVPN Gate #3, Old Power House Premises, Near Ram Mandir, Banipark, Jaipur-302006
Bid downloading Start Date & Time	27.12.2022 (15:00 Hrs.)
Start Date & Time of Submission of Bid	06.01.2023 (15:00 Hrs.)
Last Date & Time of Submission of Bid	16.01.2023 (15:00 Hrs.)
Date & Time of Opening of Technical Bid	16.01.2023 (16:00 Hrs.)

Name of the Bidding Company/ Firm	
Contact Person (Authorized Bid Signatory)	
Correspondence Address:	
Mobile No:	
Telephone No:	
E-Mail Address:	
Website/ E-mail Address:	

NIB No.
Bid No.

PROC-II/NIB-08/2022-23/BN-9016002222
9016002222

INVITATION FOR BID (IFB) & NOTICE INVITING BID (NIB)

Name and Address of the Procuring Authority	Rajasthan Rajya Vidyut Prasaran Nigam Limited Vidyut Bhawan, Janpath, Jyoti Nagar Jaipur-302005 (Rajasthan)
Name and Address of the Procurement Officer In-Charge	Name: Sh. Manish Nath Sharma Designation: Superintending Engineer (Proc. II) Address: Gate #3, Old Power House Premises, Near Ram Mandir, Banipark, Jaipur 302006 E-mail: se.sspc@rvpn.co.in
GST/PAN/Bank Account Details	GST No : 08AABCR8312A1ZT PAN No: AABCR8312A Bank Account Holder : Accounts Officer (P&C-1) RVPN, Jaipur Account No : 51093320750 IFSC Code : SBIN0031026 Bank & Branch : State Bank of India, Collectorate Branch, Jaipur
Subject Matter of Procurement	PURCHASE OF 37 NOS. OF 250KVA, 33/0.415 KV COPPER WOUND NATURAL COOLED SUB-STATION TRANSFORMERS AND COMPLETE ACCESSORIES.ON RATE CONTRACT BASIS Note: The quantities are indicative only and no minimum quantity is guaranteed under rate contract.
Bidding Procedure	Single Stage Two Part (open competitive bidding)
Bid Evaluation Criteria (Selection Method)	Lowest evaluated technically responsive bid as defined in the bid document as per Clause 24, 25 & 26 of ITB.
Website for Downloading Bidding Document, Addendum/ Corrigendum	https://eproc.rajasthan.gov.in http://energy.rajasthan.gov.in/rvpnl https://sppp.rajasthan.gov.in
Cost of Bid Document	<ul style="list-style-type: none"> Rs.5,000.00 (Rs. Five Thousand only) Plus (+) GST @18% Non Refundable. Rs.2,500.00(Rs. Two Thousand Five Hundred only) Plus (+) GST @18% in case of micro, small and medium enterprises of Rajasthan on furnishing documentary evidence (Non Refundable)
Bid Processing Fee	Rs. 1000/- (One Thousand Only) + GST @18% (non-refundable) shall be deposited by DD/Banker's Cheque in favour of "Managing Director, RISL, Jaipur"
Estimated Procurement Cost	Rs. 261.511 Lakhs
Bid Security	<ol style="list-style-type: none"> Rs. 5,23,100.00 (Rs. Five Lac Twenty Three Thousand One Hundred only) / Valid bid securing declaration for Departments & Undertakings of the Rajasthan State Government and Government Undertakings of the Central Government as mentioned in clause No. 13.2 of ITB Rs. 2,61,600.00 (Rs. Two Lac Sixty One Thousand Six Hundred only) in case of sick industries, other than Small Scale Industries, whose cases are pending with Board of Industrial and Financial Reconstruction. The Micro, Small & Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish documentary evidence to claim the above. Rs. 1,30,800.00 (Rs. One Lac Thirty Thousand Eight Hundred only) in case of micro, small and medium enterprises of Rajasthan.
Manner, Start/End date for the submission of Bids	Manner: On-Line on e-procurement website- http://eproc.rajasthan.gov.in Start Date: 06.01.2023 (15.00 Hrs.) End Date: 16.01.2023 (15.00 Hrs.)
Submission of Banker's Cheque/ Demand Draft/ Bank Guarantee for Bidding Document Fee, Bid Security and Bid Processing Fees	Up to 16.01.2023, 15.00 Hrs.in the office of Procurement Officer In-charge as mentioned above.
Date/ Time/ Place of Techno commercial Bid Opening	Date: 16.01.2023 Time: 16.00Hrs. Place: Office of Procurement Officer In-charge as mentioned above.

Date/Time/Place of Financial/Price Bid Opening	Will be intimated later to the Technically qualified bidders
Bid Validity	120 days after the bid submission deadline
<p>Note:</p> <ol style="list-style-type: none"> 1) Bidder (authorised signatory) shall submit their offer on-line in Electronic format both for Techno-commercial and financial proposal. However, DD for Bidding Document Fees, RISL Bid Processing Fees and Bid Security should be submitted physically at the office of Bidding Authority/ Accounts Officer as prescribed in NIB and scanned copy of same should also be uploaded in the EMD Envelope/ Cover. 2) In case, any of the bidders fails to physically submit the Banker's Cheque/ Demand Draft for Bidding Document Fee, Bid Security and RISL Bid Processing Fee as per timelines mentioned in NIB, its Bid shall not be accepted. 3) To participate in online bidding process, Bidders must procure a Digital Signature Certificate (Type III) as per Information Technology Act-2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency, i.e. TCS, Safecrypt, Ncode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC. Also, bidders must register on http://eproc.rajasthan.gov.in (bidders already registered on http://eproc.rajasthan.gov.in before 30-09-2011 must register again). 4) RVPN will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11thhour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems. 5) Bidders are also advised to refer "Bidders Manual Kit" available at e Procurement website for further details about the e-Tendering process. 6) Training for the bidders on the usage of e-Tendering System (e-Procurement) is also being arranged by DoIT&C on a regular basis. Bidders interested for training may contact e-Procurement Cell, DoIT&C for booking the training slot. Contact No: 0141-4022688 (Helpdesk 10 am to 6 pm on all working days) e-mail: eproc@rajasthan.gov.in Address : e-Procurement Cell, RISL, YojanaBhawan, TilakMarg, C-Scheme, Jaipur 7) The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids without giving any reason. 8) No contractual obligation whatsoever shall arise from the bidding document/ bidding process unless and until a formal contract is signed and executed between the procuring entity and the successful bidder. 9) The provisions of RTTP Act 2012 and Rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTTP Act 2012 and Rules thereto, the later shall prevail. 10) Bidders who are participating first time in bid floated by RVPN after 2016 must furnish their complete details (i.e Bidding Company Name , Address, GST No, PAN No Ph No & Email ID etc) to create vendor code in purchaser ERP before last date of submission of processing fee, bid document fee & bid security to ensure their participation in bid without any fail. 11) The web-link http://ereceipt.rvpn.co.in:8080/epaymentportal/ may also be used for making payment of cost of bid document. Specification and bid security. Vendors, who are participating first time in RVPN bid and using this option for making payment, may contract to purchaser for creation of vendor code and updation of Mail ID in vendor master. In this application, User ID will be same as vendor code and for getting first time password click on forget password link available on login page. An OTP will be sent on mail. <p style="text-align: right;">Superintending Engineer (Proc.-II), RVPN, Jaipur</p>	

TABLE OF CONTENTS

S. No.	Description	Page
1	INVITATION FOR BID/ NOTICE INVITING BID	3
2	VOLUME-I	
A	PART-I: INSTRUCTION TO BIDDERS (ITB)	6
B	PART-II: BID DATA SHEET (BDS)	24
C	PART-III: GENERAL CONDITIONS OF CONTRACT (GCC)	28
D	PART-IV: SPECIAL CONDITIONS OF CONTRACT (SCC)	56
E	PART-V: ERECTION CONDITIONS OF CONTRACT (ECC)	58
F	PART-VI: Bid Proposal Form, ANNEXURE, SCHEDULES	
(i)	Bid Proposal Form	60
(ii)	Annexure-AP Application for Payment	62
(iii)	Annexure-BEC Bidder Eligibility Certificate	63
(iv)	Annexure-BGBIS Bank Guarantee in lieu of BIS Certificate (if applicable)	65
(v)	Annexure-BSBG Bank Guarantee against Bid Security	66
(vi)	Annexure-BSD Bid Securing Declaration	68
(vii)	Annexure-CA Contract Agreement Form	69
(viii)	Annexure-CCA Certificate from the chartered Accountant for Past Supply	72
(ix)	Annexure-CI Compliance with code of integrity and no conflict of interest	73
(x)	Annexure-CL Check List for required Annexure /Schedules /documents to be submitted by bidder	74
(xi)	Annexure-CR Credit facilities: Certificate from bank	77
(xii)	Annexure-DVA Affidavit of self-certification regarding Domestic Value Addition in Iron & Steel Product/capital goods by Bidder	78
(xiii)	Annexure-MAF Manufacturer's Authorisation Form	80
(xiv)	Annexure-MOA Memorandum of Appeal Form-I	81
(xv)	Annexure-MSME Affidavit for MSME Unit	82
(xvi)	Annexure-MW Manufacturer Warrantee Form	83
(xvii)	Annexure-NEFT RTGS/ NEFT payment request	85
(xviii)	Annexure-PBG Performance Bank Guarantee	86
(xix)	Annexure-PBQ Pre bid Queries	88
(xx)	Annexure-PC Performance Certificates from users	89
(xxi)	Annexure-PPP Price preference or purchase preference	90
(xxii)	Annexure-PQR Pre-Qualification Requirement of Bidder	92
(xxiii)	Annexure-TTBG Bank Guarantee in lieu of Type Test	95
(xxiv)	Schedule- AI Schedule of Additional Information	97
(xxv)	Schedule-ACC Schedule of Additional Conditions of Contract	98
(xxvi)	Schedule-BD Schedule of Participating bidder's Details	99
(xxvii)	Schedule-BOQ Schedule of Prices	100
(xxviii)	Schedule-DEL Delivery Schedule	101
(xxix)	Schedule-DEV Schedule of Deviations	102
(xxx)	Schedule-DRQ Declaration by bidder regarding qualification	103
(xxxi)	Schedule-FG Schedule of Guaranteed Losses/ Functional Guarantees	104
(xxxii)	Schedule-GTP Schedule of Guaranteed Technical Particulars	105
(xxxiii)	Schedule-PEP Schedule of Previous Experience & Performance	110
(xxxiv)	Schedule-PMITT Schedule of Plant and Machinery, Tools & Tackles available	111
(xxxv)	Schedule-PV Schedule of Price Variation	112
(xxxvi)	Schedule-QD Schedule of Qualification Data	115
(xxxvii)	Schedule-STT Schedule of Special Tools & Tackles for Maintenance	117
(xxxviii)	Schedule-TP Schedule of Technical Personnel of Bidder	118
3	VOLUME-II	
	TECHNICAL SPECIFICATION	119

**VOLUME-I
PART-I
INSTRUCTION TO BIDDERS (ITB)**

Preamble

This Part (Part-I) of the Bidding Document provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Nigam. It also provides information on bid submission, opening and evaluation and on contract award. This Part (Part-I) contains provisions that are to be used unchanged unless Part-II, which consists of provisions that supplement, amend or specify in detail, information or requirements included in Part-I and that are specific to each procurement and/or otherwise. If there is a conflict between the provisions of Part-I & Part-II, the provisions of Part-II shall prevail.

However, provisions governing the performance of the Contractor, payments under the contract or matters affecting the risks, rights and obligations of the parties under the contract are not included in this part but instead under Part – III: General Conditions of Contract and/or Part – IV: Special Conditions of Contract.

Further in all matters arising out of the provisions of this Part – I and the Part – II of the Bidding Documents, the laws of the Union of India shall be the governing laws and courts of Jaipur shall have exclusive jurisdiction.

A. INTRODUCTION

1.0 Source of Funds and Procurement Method

1.1 The Owner named in the **BDS** intends to use domestic funding (Owner's Internal Resources/ Domestic Borrowings/Bonds) for this procurement.

All eligible payments under the contract for the packages, for which this Invitation for Bids is issued, shall be made by the Owner named in the **BDS**.

1.2 The procurement method is given in the BDS. In case of rate contract, the period of rate contract and maximum period for which it can be extended on the same terms and conditions with mutual consent is also given in the BDS.

2.0 Eligible Bidders

2.1 The eligibility criteria is given in Annexure-PQR.

3.0 Eligible Plant, Equipment, and Services

3.1 For the purposes of these Bidding Documents, the words "facilities," "plant and equipment," "installation services," etc., shall be construed in accordance with the respective definitions given to them in the General Conditions of Contract.

3.2 All plant and equipment to be supplied and installed and services carried out under the contract shall have their origin in any country barring those countries against whom sanction for conducting business is imposed by Government of India and barring those firms with whom business is banned by the Nigam.

3.3 For purposes of this clause, "origin" means the place where the plant and equipment or component parts thereof are mined, grown or produced. Plant and equipment are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.4 The origin of the plant, equipment, and services is distinct from the nationality of the Bidder.

3.5 Plants and Equipments shall be standard items/ equipments of the manufacturer (s), which are produced in volume and used by large number of users in India/ abroad. The item/ equipments must be associated with specific make, model numbers/ item code with printed literature describing configuration and functionality.

4. Cost of Bidding

- 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid including post-bid discussions, technical and other presentations etc., and the Nigam will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. THE BIDDING DOCUMENTS

5. Contents of Bidding Document

- 5.1 The facilities required, bidding procedures, contract terms and technical requirements are prescribed in the Bidding Documents. The Bidding Documents comprise of the following and shall include amendments, if any, thereto:

NOTICE INVITING BID

VOLUME- I: Conditions of Contract

Part-I	Instructions to Bidders (ITB)
Part-II	Bid Data Sheet
Part-III	General Conditions of Contract (GCC)
Part-IV	Special Conditions of Contract (SCC)
Part-V	Erection Conditions of Contract (ECC)
Part-VI	Forms, Schedules & Annexures

I. Bid Proposal Form

II. Formats:

Annexure-AP	Application for Payment
Annexure-BEC	Bidder Eligibility Certificate
Annexure-BGBIS	Bank Guarantee in lieu of BIS Certificate (if applicable)
Annexure-BSBG	Bank Guarantee against Bid Security
Annexure-BSD	Bid Securing Declaration
Annexure-CA	Contract Agreement Form
Annexure-CI	Compliance with code of integrity and no conflict of interest
Annexure-CR	Credit facilities: Certificate from bank
Annexure-DVA	Affidavit of self-certification regarding Domestic Value Addition in Iron & Steel Product/capital goods by Bidder
Annexure-MAF	Manufacturer's Authorisation
Annexure-MOA	Memorandum of Appeal Form-I
Annexure-MSME	Affidavit for MSME Unit
Annexure-MW	Manufacturer Warrantee Form
Annexure-NEFT	RTGS/ NEFT payment request
Annexure-PBG	Performance Bank Guarantee
Annexure-PBQ	Pre bid Queries
Annexure-PC	Performance Certificates from users
Annexure-PPP	Price preference or purchase preference
Annexure-PQR	Pre-Qualification Requirement of Bidder
Annexure-TTBG	Bank Guarantee in lieu of Type Test
Annexure-CCA	Certificate from the chartered Accountant for Past Supply

III. Schedules:

Schedule-AI	Schedule of Additional Information
Schedule-ACC	Schedule of Additional Conditions of Contract
Schedule-BD	Schedule of Participating bidder's Details
Schedule-BOQ	Schedule of Prices
Schedule-DEL	Delivery Schedule
Schedule-DEV	Schedule of Deviations
Schedule-DRQ	Declaration by bidder regarding qualification
Schedule-FG	Schedule of Guaranteed Losses/ Functional Guarantees
Schedule-GTP	Schedule of Guaranteed Technical Particulars
Schedule-PEP	Schedule of Previous Experience & Performance
Schedule-PMTT	Schedule of Plant and Machinery, Tools & Tackles available
Schedule-PV	Schedule of Price Variation
Schedule-QD	Schedule of Qualification Data
Schedule-STT	Schedule of Special Tools & Tackles for Maintenance
Schedule-TP	Schedule of Technical Personnel of Bidder

VOLUME -II: Technical Specification of material

- 5.2 The Bidder is expected to examine all instructions, forms, terms, specifications and other information in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in rejection of its bid.
- 5.3 Scope of Work is given in Volume-II of Bidding Documents titled "Technical Specifications for material"

6. Clarification of Bidding Documents and Pre-Bid Meeting

- 6.1 A prospective Bidder requiring any clarification of the Bidding Documents may notify the Nigam in writing or by cable (hereinafter, the term cable is deemed to include Electronic Data Interchange (EDI) or telefax) at the Nigam's mailing address indicated in the BDS. Similarly, if a Bidder feels that any important provision in the documents, such as those listed in ITB Sub-Clause 22.4.1, will be unacceptable, such an issue should be raised as above. The Nigam will respond in writing to any request for clarification or modification of the Bidding Documents that it receives not later than **the time periods specified in BDS**, prior to the original deadline for submission of bids prescribed by the Nigam. The Nigam shall not be obliged to respond to any request for clarification received later than the above period. Further, the mere request for clarification from the Bidders shall not be a ground for seeking extension in the deadline for submission of bids. Written copies of the Nigam's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the Bidding Documents.
- 6.2 The Bidder's designated representative(s) is/are invited to attend a pre-bid meeting, which, if convened, will take place at the venue and time stipulated in the BDS. The purpose of the meeting will be to clarify any issues regarding the Bidding Documents in general and the Technical Specifications in particular. The Bidder is requested, as far as possible, to submit any question in writing, to reach the Nigam not later than one week before the meeting. It may not be practicable at the meeting to answer questions received late, but questions and responses will be transmitted as indicated hereafter. Minutes of the meeting, including the text of the questions raised (without identifying name of the bidders) and the responses given, together with any responses prepared after the meeting, will be transmitted

without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in ITB Sub-Clause 5.1, which may become necessary as a result of the pre-bid meeting shall be made by the Nigam exclusively through the issue of an Addendum pursuant to ITB Clause 7 and not through the minutes of the pre-bid meeting.

Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

7. Amendment of Bidding Documents

- 7.1 At any time prior to the deadline for submission of bids, the Nigam may, for any reason, whether at its own initiative, or in response to a clarification requested by a prospective Bidder, amend the Bidding Documents.
- 7.2 The amendment will be notified on the websites for viewing/ downloading by all prospective bidders and will be binding on them. Bidders are required to check/ updated themselves for any amendments on specified websites and it will be assumed that the information contained therein will have been taken into account by the Bidder in its bid.
- 7.3 In order to afford reasonable time to the prospective Bidders to take the amendment into account in preparing their bid, the Nigam may, at its discretion, extend the deadline for the submission of bids, in such cases; the Nigam will notify all bidders through website notification of the extended deadline.

C. PREPARATION OF BIDS

8. Language of Bid

- 8.1 The bid prepared by the Bidder and all correspondence and documents exchanged by the Bidder and the Nigam related to the bid shall be written in the English language, provided that any printed literature furnished by the Bidder may be written in another language, as long as such literature is accompanied by English translation of its pertinent passages, in which case, for purposes of interpretation of the bid, the English translation shall govern.

9. Documents Comprising the Bid

- 9.1 The bid submitted by the Bidder shall comprise of the following documents:
- (a) Bid Proposal Form duly completed and signed by the Bidder, together with all Attachments (available in Part-VI). All Attachments have been identified in ITB Sub-Clause 9.3 below.
 - (b) Price Schedules (available in Part-VI) duly completed by the Bidder.
 - (c) Technical Data Sheets (available in Part-VI), if any, duly completed by the Bidder.
- 9.2 Bidders shall note that, they shall quote their proposals strictly conforming to the technical details, design as specified in the bidding document. Any offer based on the alternate design shall not be considered. Bid with alternative time schedule is not acceptable.
- 9.3 Each Bidder shall submit with its bid the following attachments:
- (a) Attachment 1: Bid Security (Earnest Money Deposit)
Copy of earnest money deposit furnished in accordance with ITB Clause 13.
 - (b) Attachment 2: Power of Attorney
A power of attorney, duly notarized, indicating that the person(s) signing the bid has (ve) the authority to sign the bid and thus that the bid is binding upon the Bidder during full period of its validity, in accordance with ITB Clause 14.
 - (c) Attachment 3: Bidder's Eligibility and Qualifications
In the absence of pre-qualification, documentary evidence establishing that the Bidder is eligible to bid in accordance with ITB Clause 2 and is qualified to perform the contract in accordance with Annexure-PQR, if its bid is accepted.

The documentary evidence of the Bidder's eligibility to bid shall establish to the Nigam's satisfaction that the Bidder, at the time of submission of its bid, is eligible as defined in ITB Clause 2.

The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Nigam's satisfaction that the Bidder has the financial, technical, production, procurement, shipping, installation and other capabilities necessary to perform the contract, and, in

particular, meets the experience and other criteria outlined in the Qualification Requirement for the Bidders in Annexure-PQR.

As per Annexure-PQR, the bid can be submitted by a natural person, private entity or government-owned entity or a joint venture of not more than two firms.

- i. The bidder shall ensure compliance of the Finance Department GoR Notification of even No., dated 01.01.2021 issued in compliance of the order No. F.No.6/18/2019-PPD, Dated – 23.07.2020 of Public Procurement Division, Department of Expenditure, Ministry of Finance, Govt. of India, New Delhi and subsequent order of the Finance (G&T) Department, GOR issued vide order No. F.2(1)/FD/G&T/SPFC/2017, dated 15.01.2021 regarding prior registration with the Industries Department of the Govt. of Rajasthan or with the Competent Authority of GoI by Department of Promotion of Industries and internal trade under the Ministry of Commerce and Industry for the bidders belonging to or with beneficial ownership from countries sharing land border with India, for participation in Public Procurement in the State.

Bids submitted by a joint venture of not more than two firms as partners shall comply with the following requirements:

- i. The bid shall include all the information required for Attachment 3 as described above for each joint venture partner.
- ii. The bid shall be signed so as to be legally binding on all partners.
- iii. One of the partners responsible for performing a key component of the contract shall be designated as leader; this authorization shall be evidenced by submitting with the bid a power of attorney signed by legally authorized signatories.
- iv. The leader shall be authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture, and the entire execution of the contract, including payment, shall be done exclusively with the leader, provided otherwise requested by the joint venture and agreed between the Nigam and the leader.
- v. All partners of the joint venture shall be liable jointly and severally for the execution of the contract in accordance with the contract terms.
- vi. A copy of the agreement entered into by the joint venture partners shall be submitted with the bid as per Annexure-IX, Part-VI Vol-I, including inter-alia delineation of responsibilities and obligations of each partners appended thereto, notwithstanding the joint and several liability.
- vii. The joint venture agreement should indicate precisely the responsibility of all members of JV in respect of planning, design, manufacturing, supply, installation, commissioning and testing. All members of JV should have active participation in execution during the currency of the contract. This should not be varied/modified subsequently without prior approval of the Nigam; and

In order for a joint venture to qualify, each of its partners or combination of partners must meet the minimum criteria listed in the Qualification Requirement for the Bidder in enclosed Annexure-PQR for an individual Bidder for the component of the contract they are designated to perform. Failure to comply with this requirement will result in rejection of the joint venture bid.

A firm can be a partner in only one joint venture; bids submitted by joint ventures including the same firm as partner will be rejected.

In the case of a Bidder who offers to supply and/or install plant and equipment under the contract that the Bidder did not manufacture or otherwise produce and/or install, the Bidder shall (i) have the financial and other capabilities necessary to perform the contract; (ii) have been duly authorized by the manufacturer or producer of the related plant and equipment or component as per Performa in Attachment 7 to supply and/or install that item in the Nigam's country; and (iii) be responsible for ensuring that the manufacturer or producer complies with the requirements of ITB Sub-Clause 3.2 and meets the minimum criteria listed for an individual Bidder for that item.

(d) Attachment 4: Eligibility and Conformity of the Material

Documentary evidence established in accordance with ITB Clause 3 that the material offered by the Bidder in its bid or in any alternative bid (if permitted pursuant to ITB Sub-Clause 9.2) are eligible and conform to the Bidding Documents.

The documentary evidence of the eligibility of the material shall consist of a statement showing/ indicating the country of origin of the plant and equipment offered, which shall be confirmed by a certificate of origin issued at the time of shipment.

The documentary evidence of the conformity of the material to the Bidding Documents may be in the form of literature, drawings and data, and shall furnish:

- i. a detailed description of the essential technical and performance characteristics of the material;

- ii. a list giving full particulars, including available sources, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the material for a period of Fifteen (15) years following commissioning of material in accordance with provisions of contract; and
 - iii. a commentary on the Nigam's Technical Specifications and adequate evidence demonstrating the substantial responsiveness of the material to those specifications. Bidders shall note that standards for workmanship, materials and equipment designated by the Nigam in the Bidding Documents are intended to be descriptive (establishing standards of quality and performance) only and not restrictive. The Bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the Nigam's satisfaction that the substitutions are substantially equivalent or superior to the standards designated in the Technical Specifications.
 - iv. All details regarding after sale & service support offered.
 - v. All details regarding proposed training for Nigam's personnel.
 - vi. Detailed answers to all the Questions in the Questionnaire, if prescribed in the Bidding Document.
 - vii. Details establishing the responsiveness of the offer in accordance with Technical Specification, Volume-II.
- (e) Attachment 5: Subcontractors/ Sub-Vendors [Not to be furnished in case of goods]
Obligations of the bidder under this bid document cannot be assigned to any subcontractor/subvendor
- (f) Attachment 6: Deviations
In order to facilitate evaluation of bids, deviations, if any, from the terms and conditions or Technical Specifications shall be listed in Attachment 6 to the bid. However, the attention of the bidders is drawn to the provisions of ITB Sub-Clause 22.4 regarding the rejection of bids that are not substantially responsive to the requirements of the Bidding Documents.
Bidder's attention is also drawn to the provisions of ITB Sub-Clause 22.4.1.
- (g) Attachment 7: Manufacturer's Undertakings/ Authorization Certificate/ Form
- (h) Attachment 8: Schedule of Delivery.
- (i) Attachment 9: Guarantee Declaration.
- (j) Attachment 10: Price Variation Data (if required)
- (k) Attachment 11: The bidder, if is a Micro, Small or Medium enterprise as per the Micro, Small and Medium enterprise development act, 2006 (MSMED Act 2006) and registered with the authorities under the above Act for the items / services covered under this bid, then the bidder has to indicate the Entrepreneurs Memorandum No. (Twelve Digit) and scanned copy of the certificate issued by the Authorities under the MSMED Act, 2006 should be furnished with the bid. In order to seek price preference or purchase preference or both, an application, as prescribed at Form A at Annexure-PPP, shall be submitted by the local enterprise to the General Manager, District Industries Centre of the district concerned, or to the officer nominated by Industries Department, who, after due diligent examination, shall issue verification certificate for the same. A copy of the same should be furnished.
- (l) Attachment 12: Compliance with code of integrity and no conflict of interest in Annexure-CI and RTGS/ NEFT payment request in Annexure-NEFT

10. Bid Form and Price Schedules

- 10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedules furnished in the Bidding Documents as indicated therein, following the requirements of ITB Clauses 11 and 12.

11.0 Bid Price

- 11.1 Unless otherwise specified in the Technical Specifications, bidders shall quote for the entire material on a "single responsibility" basis such that the total bid price covers all the Contractor's obligations mentioned in or to be reasonably inferred from the Bidding Documents in respect of the design, manufacture, including procurement, delivery, unloading, stacking at stores including supply of mandatory spares (if any). This includes all requirements under the Supplier's responsibilities for testing, pre-commissioning and commissioning of the facilities and, where so required by the Bidding

Documents, the acquisition of all permits, approvals and licenses, etc.; and training services and such other items and services as may be specified in the Bidding Documents, all in accordance with the requirements of the General Conditions of Contract. Items against which no price is entered by the Bidder will not be paid for by the Nigam when executed and shall be deemed to be covered by the prices for other items.

11.2 Bidders are required to quote the price for the commercial, contractual and technical obligations outlined in the Bidding Documents. If a Bidder wishes to make a deviation, such deviation shall be listed in Attachment-6 of its bid.

11.3 The Bidder shall indicate on the appropriate Price Schedules attached to these documents, the unit prices of the goods and services including spares & special tools and tackles, if any, it proposes to provide under the Contract.

The total amount shall be summarized in a Price Proposal (Schedule BOQ) giving the total bid price(s) to be entered in the Bid Form.

Main Price Schedule-BOQ:

Sub-Price Schedules:

Schedule-BOQB1 (SUPPLY): Substation/ Line Equipments/ Items & Mandatory Spares, Testing/ Measuring Equipments and Tools & Tackles [Including of Local Transportation including of Port handling, port clearance, port charges (if applicable), Insurance and Other incidental services applicable with all taxes and duties]

Schedule-BOQB2 (SERVICES): [If applicable] Commissioning charges (if required) and other miscellaneous services such as Training & Handholding and other Services as specified in the bidding document.

11.3.1 The bid price for,

- (i) the items for which quantities have been indicated as lumpsum or lot or set and/or
- (ii) where the quantities are to be estimated by the Bidder shall remain constant unless there is change made in the Scope of Work by Nigam.

The quantities and unit prices

- (i) subsequently arrived while approving the Bill of Quantities (BOQ)/Billing breakup of lumpsum quantities/lot/Set and/or
- (ii) estimated by the bidder shall be for on account payment purpose only.

In case additional quantities, over and above the quantities BOQ/billing breakup and /or estimated by the bidder, are required for successful completion of the scope of work as per Technical Specification, the Bidder shall execute additional quantities of these items for which no additional payment shall be made over and above the lumpsum bid price. In case quantities of these items supplied at site are in excess of that required for successful completion of scope of work, such additional quantities shall be the property of the bidders and they shall be allowed to take back the same from the site for which no deduction from the lumpsum bid price shall be made.

11.3.2 It shall be the responsibility of the bidders to pay all statutory taxes, duties and levies to the concerned authorities for such surplus material, which would otherwise have been, lawfully payable.

11.3.3 Set/Lot/Lumpsum shall be governed as per the requirement of the corresponding item description read in conjunction with relevant provisions of Technical Specifications.

11.4 In the schedules, Bidder shall give the required details and a breakdown of their price as follows:

- (a) Plant and equipment shall also be quoted in Schedule-BOQB1.

In respect of direct transaction between the Nigam and the supplier or bought out off the shelf items or imported Equipments/items offered as 'Off the Shelf' or dispatched directly from the Indian Port of disembarkation, the Unit Rate is inclusive of all cost as well as duties and tax (viz., custom duties & levies, taxes and duties etc.) paid or payable on components, raw materials and any other items used for their consumption incorporated or to be incorporated in the Plant & Equipment.

The Unit Rate for equipment/ items as above shall not include GST (Goods & Service Tax). GST (Goods & Service Tax) for the Equipment/items as above shall be mentioned separately in the Schedule BOQB1. These amounts will be payable (along with subsequent variation in the scheduled delivery period if any), by the Nigam on the supplies made by the Contractor. Nigam shall, however, issue requisite tax declaration form, if applicable.

- (b) Local transportation, insurance and other Services including unloading and stacking at Nigam's stores incidental to delivery of the Plant and Equipment including mandatory spares to be supplied shall be quoted separately in Schedule-BOQB1: Supply.
 - (c) Commissioning Charges shall be quoted separately (if required and shall include rates and prices for all labour, Contractor's equipment, temporary works, materials, consumables and all matters and things of whatsoever nature, provision of operations and maintenance manuals, etc. wherever identified in the Bidding Documents as necessary for the proper execution of all services except those priced in other Schedules.
 - (d) The break-up of Training & other miscellaneous Charges shall be furnished separately in Schedule-BOQB2 (if required).
 - (e) The bidder shall include any other taxes and duties not covered under the GST but applicable on Work contracts for supply and services to be performed in India, as applicable, is required to be included in Contract Price and Nigam would not bear any liability on this account. Nigam shall, however, deduct such taxes at source for supply and services and issue Tax Deduction at Source (TDS) Certificate to the Contractor, if applicable.
 - (f) The Bidder shall quote the charges for Services exclusive of applicable GST (Goods & Service Tax). The bidder shall give GST registration number. Depositing the GST with appropriate authority within stipulated period shall be the bidder's liability.
 - (g) The Income Tax, surcharge on income tax and other corporate taxes the bidder shall be responsible for such payment to the concerned authorities. Nigam shall deduct tax at source, required as per statutory provisions and issue necessary Certificate to the Contractor.
- 11.4.1 Discount(s)/rebate(s) offered by the bidder shall be indicated as a percentage of price component(s). Bidder shall also indicate in his bid, the price component(s) on which the discount is to be applied.

11.5 The prices shall be in accordance with the following:

Variable Price: Prices quoted by the Bidder shall be subject to variation during performance of the contract to reflect changes in the cost elements such as labor, material, etc. in accordance with the procedures specified in the bid document and incorporated in the contract. The Price Variation provision will not be taken into consideration in bid evaluation.

12. Bid Currencies

12.1 Prices shall be quoted in Indian Rupees only.

13. Bid Security (Earnest Money)

13.1 The Bidder shall furnish, as part of its bid, a bid security in the amount and currency as stipulated in the **BDS**. The bid security must be submitted in the form provided in the Clause 13.2 to the officer of the nigam as per BDS and obtain receipt their of copy of which shall be furnished with the bid.

13.2 The bid security shall, at the bidder's option,

100% in the form of crossed bank Demand draft/Banker's cheque from a scheduled commercial bank in favour of Nigam or a bank guarantee from a scheduled commercial bank selected by the bidder and located in India as stipulated in the BDS.

The format of the bank guarantee shall be in accordance with the form of bid security included in the Bidding Documents. Bid security shall remain valid for a period of Sixty (60)days beyond the original bid validity period, and beyond any extension subsequently requested under ITB Sub-Clause 14.2.

The Departments/Boards of the State Government or central Government; Government Companies as defined in clause (45) of section 2 of the Companies Act, 2013; Company owned or controlled, directly or indirectly, by the Central Government, or partly by the

Central Government and partly by one or more State Governments which is subject to audit by the Auditor appointed by the Comptroller and Auditor General of India under sub-section (5) or (7) of section 139 of the Companies Act, 2013; or Autonomous bodies, Registered Societies, Cooperative Societies, Cooperative Societies which are owned or controlled or managed by the State Government or Central Government may furnish bid securing declaration. However, they have to upload copy of certificate/ documentary evidence in support of their being Govt. undertaking, with their bid.

- 13.3 Any bid not accompanied by an acceptable bid security/ bid securing declaration shall be rejected by the Nigam and shall not be opened
- 13.4 The bid securities of unsuccessful bidders will be returned after the signing of contact agreement with the successful bidder.
- 13.5 The successful Bidder shall be required to keep its bid security valid for a sufficient period till the performance security(ies) pursuant to ITB Clause 32 are furnished to the satisfaction of the Nigam. The bid security of the successful Bidder will be returned when the Bidder has signed the Contract Agreement, pursuant to ITB Clause 31, and has furnished the required performance security pursuant to ITB Clause 32
- 13.6 The bid security may be forfeited
- (a) If the Bidder withdraws its bid after submission and up to the period of bid validity specified by the Bidder in the Bid Proposal Form; or
- (b) If a Bidder does not accept the corrections to arithmetical errors identified during preliminary evaluation of his bid pursuant to ITB Sub-Clause 22.2;or
- (c) If the bidder breaches any provision of code of integrity prescribed for bidders specified in the Act and Chapter VI of RTPP Rules, 2013; or
- (d) in the case of a successful Bidder, if the Bidder fails within the specified time limit
- (i) to sign the Contract Agreement, in accordance with ITB Clause 31,or
- (ii) to furnish the required performance security(ies), in accordance with ITB Clause 32 or
- (iii) to commence supply of goods or services or execution of work as per supply/ work order
- 13.7 No interest shall be payable by the Nigam on the above Bid Securities.

14. Period of Validity of Bid

- 14.1 Bids shall remain valid for a period of 120 days after the date of opening of techno-commercial bids prescribed by the Nigam, pursuant to ITB Sub-Clause 17.1. A bid valid for a shorter period shall be rejected by the Nigam as being non-responsive.
- 14.2 In exceptional circumstance, the Nigam may solicit the Bidder's consent to an extension of the bid validity period. The request and responses thereto shall be made in writing or by cable. If a Bidder accepts to prolong the period of validity, the bid security shall also be suitably extended. A Bidder granting the request will not be required or permitted to modify its bid.

15. Format and Signing of Bid

- 15.1 The Bidder shall prepare bid in the digital/electronic mode for uploading on e-procurement website in the format/ type of file specified. All the documents uploaded should be digitally signed with the DSC of authorized signatory.
- 15.2 The bid, consisting of the documents listed in ITB Clause 9, shall be typed or written in legible ink and shall be signed/ digitally signed by the Bidder or a person (s) duly authorized to bind the Bidder to the contract. The letter of authorization shall be indicated by written power of attorney accompanying the bid and submitted as Attachment 2 to the Bid under ITB Sub-Clause 9.3. All pages of the bid, except for un-amended printed literature, shall be initialled/ digitally signed by the person signing the bid.
- 15.3 The bid shall contain no alterations, omissions or additions, unless such corrections are initialled/ digitally signed by the person(s) signing the bid.

D. SUBMISSION OF BIDS

16. Sealing and Marking of Bids

- 16.1 Bidders must submit their bids online at e-Procurement portal i.e. <http://eproc.rajasthan.gov.in>.
- 16.2 Documents in e-formats (as specified) shall be received online on the Government of Rajasthan e-procurement portal (<http://eproc.rajasthan.gov.in>) in following three Envelopes:
- First Envelope: Bid Security (Earnest Money Deposit) Documents, Bid Document Cost and Bid Processing fees.
- Second Envelope: Techno-Commercial Bid Documents
- Third Envelope: Financial/ Price Bid Documents

The above documents shall be in the e-format (as per type i.e. pdf, xls etc. as specified) and required to be uploaded on and before the prescribed bid submission date and time.

- 16.3 First Envelope documents i.e. copy of Bid Security (Earnest Money Deposit Documents), Bidding Document Cost and Bid Processing fees shall be uploaded with the Bid. The security/ cost/ fees etc. shall be submitted/ delivered and be addressed to the Nigam at the address given in the **BDS**, and receipts thereof be obtained and copies of these be uploaded with the bid.

17. Deadline for Submission of Bids

- 17.1 Bids shall be received online at e-Procurement portal and up to the time and date specified in the NIB. In the event of the specified date for the submission of bid being declared a holiday for the Nigam, the same will be received up-to the appointed time on the next working day.
- 17.2 The Nigam may, at its discretion, extend this deadline for submission of bids by amending the Bidding Documents in accordance with ITB Sub-Clause 7.3 for the reasons specified therein at any time prior to opening of bids by the Nigam pursuant to ITB Clause 20, in which case all rights and obligations of Nigam and bidders will thereafter be subject to the deadline as extended.

18. Late Bids

- 18.1 Any bid received by the Nigam after the bid submission deadline prescribed by the Nigam, pursuant to ITB Clause 17, will be rejected and returned unopened to the Bidder.

19. Modification and Withdrawal of Bids

- 19.1 If permitted on e-Procurement portal, a Bidder may withdraw its Bid or re-submit its Bid (techno commercial and/ or financial cover) as per the instructions/ procedure mentioned at e-Procurement website under the section "Bidder's Manual Kit".
- 19.2 Bids withdrawn shall not be opened and processed further.

E. BID OPENING AND EVALUATION**20. Opening of Bids by Nigam**

- 20.1 The Nigam will open the bids in public/ online, including modifications made pursuant to ITB Clause 19, in the presence of bidders' designated representatives (not more than two persons) who choose to attend, at the time, date, and location stipulated in the BDS. The bidders' representatives who are present shall sign a register evidencing their attendance. In the event of the specified date for the submission of bid being declared a holiday for the Nigam, the same will be received up-to the appointed time on the next working day for opening of bids.
- 20.2 All the documents comprising of technical Bid/ cover shall be opened & downloaded from the e-Procurement website (only for the bidders who have submitted the prescribed fee(s) to RISL). For all Bids, the bidders' names, the techno-commercial bid, including deviation, the presence of bid security (Earnest Money Deposit), and any such other details as the Nigam may consider appropriate, will be announced by the Nigam at the opening.

No bid shall be rejected at bid opening except for late bids pursuant to ITB Clause 18 and bids not accompanied with bid security (earnest money deposit), proof of payment or instrument of the required price of bidding document and processing fee is found to be prima facie unacceptable. Such bids shall be returned to the Bidder unopened. However, opening of bid accompanied with the bid security shall not be construed to imply its acceptability which shall be examined in detail pursuant to ITB Clause 22.

- 20.3 The price bid of only technically & commercially qualified bidders shall be opened on subsequent dates in presence of representatives of qualified bidders. The time & date of price bid shall be conveyed to the qualified bidders.
- 20.4 The bidder's names, bid prices, any discounts and such other details as the Nigam, at its discretion, may consider appropriate will be announced at the opening of price bids.
- 20.5 No electronic recording devices will be permitted during bid opening.

21. Clarification of Bids

- 21.1 During bid evaluation, the Nigam may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered or permitted.

22. Preliminary Examination of Bids

- 22.1 The Nigam will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 22.2 Arithmetical errors will be rectified on the following basis.
- i) If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected unless in the opinion of the Procuring entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected.
 - ii) If there is a discrepancy between words and figures, the amount in words will prevail unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) above.
 - iii) However, in case of items quoted without indicating any quantity or the items for which the quantities are to be estimated by the Bidder, the total price quoted against such items shall prevail.

The subtotal, total price or the total bid price, irrespective of the discrepancy between the amount indicated in words or figures shall be rectified in line with the procedure explained above. If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be disqualified and its Bid Security (earnest money deposit) shall be forfeited.

The prices of all such item(s) against which the Bidder has not quoted rates/amount (viz., items left blank or against which ‘-’ is indicated) in the Price Schedules will be deemed to have been included in other item(s).

If the discount(s)/rebate(s) offered by the Bidder is a percentage discount and the price component(s) on which the said discount is not indicated in the bid, the same shall be considered on the total bid price [i.e. proportionately on each price component], in the event of award. However, if lump-sum discount is offered, the same shall be considered in full on the Ex-works price component (by proportionately reducing Ex-works price of individual items), in case of award. Further, Conditional discounts/rebates, if any, offered by the bidder shall not be taken into consideration for evaluation. It shall, however, be considered in case of award.

In respect of taxes, duties and other levies indicated by the Bidder in the Bid, which are reimbursable in line with the provisions of the Bidding Documents, any liability arising due to inappropriate quotation of applicable rates of taxes & duties in price schedule by the bidder(s) shall be borne by respective bidder(s) in the manner below:

- (a) For evaluation of the financial bid:
 - i. In case the bidder quotes the taxes & duties higher than the prevailing rates, the evaluation of bid shall be done considering the applicable rates of taxes & duties keeping the ex-works price same as quoted by the bidder.
 - ii. In case the bidder quotes the taxes & duties lower than the prevailing rates, unless it is specifically indicated with supporting document that lower taxes and duties are applicable to them as concessional rates, the evaluation of bid shall be done considering the applicable rates of taxes & duties and the ex-works price shall be reduced accordingly keeping the FORD prices same as quoted by the bidder.

In above case, the Purchase/ Work Order(s) shall be awarded to the successful bidder(s) on the basis of adjusted price with applicable rates of taxes & duties.

- (b) In case any successful bidder quotes the prices with concessional rates of taxes & duties applicable to it, the Purchase/ Work Order shall be awarded with quoted concessional rates of taxes & duties. However, no variation in such concessional taxes & duties up to maximum current applicable rates shall be allowed.

The Bidder should ensure that the prices furnished in various price schedules are consistent with each other. In case of any inconsistency in the prices furnished in the specified price schedules to be identified in Bid Form for this purpose, the Nigam shall be entitled to consider the highest price for the purpose of evaluation and use the lowest of the prices in these schedules for the purpose of award of the Contract

- 22.3 The Nigam may waive any minor infirmity, nonconformity or irregularity in a bid that does not constitute a material deviation, whether or not identified by the Bidder in Attachment-6 to its bid, and that does not prejudice or affect the relative ranking of any Bidder as a result of the technical and commercial evaluation, pursuant to ITB Clauses 24 and 25.
- 22.4 Prior to the detailed evaluation, the Nigam will determine whether each bid is of acceptable quality, is complete and is substantially responsive to the Bidding Documents. Any deviations, conditionality or reservation introduced in Attachment-6 and/or in the Bid Form, Price Schedules & Technical Data Sheets and covering letter, or in any other part of the bid will be reviewed to conduct a determination of the substantial responsiveness of the bidder's bid. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the Bidding Documents without material deviations, objections, conditionality or reservations. A material deviation, objection, conditionality or reservation is one (i) that affects in any substantial way the scope, quality or performance of the contract; (ii) that limits in any substantial way, inconsistent with the Bidding Documents, the Nigam's rights or the successful Bidder's obligations under the contract; or (iii) whose rectification would unfairly affect the competitive position of other bidders who are presenting substantially responsive bids.
- 22.4.1 Bids containing deviation on following critical provisions will be considered non-responsive.
- a) Terms of Payment: Clause 1.42 Part GCC, Volume-I
 - b) Bid Security (Earnest Money Deposit): Clause 13.0, Part ITB Volume-I and Part-II BDS
 - c) Contract Performance: Clause 32.0, Part ITB, Volume-I & Clause 1.40 Part GCC Volume-I
 - d) Delivery Time Guarantee: Clause 1.23 & 1.24, Part GCC, Volume-I
 - e) Price Basis and Payment: Clause 11.0, Part ITB, Volume-I and Clause 1.42 Part General Conditions of Contract.
 - f) Guarantee: Clause 1.40, Part GCC, Volume-I.
- 22.4.2 Regarding deviations, conditionality or reservations introduced in the bid, which will be reviewed to conduct a determination of substantial responsiveness of the Bidder's bid as stated in ITB Sub-Clause 22.4, the order of precedence of these documents to address contradictions, if any, in the contents of the bid, shall be as follows:
- I. Covering Letter
 - II. Bid Form
 - III. Attachment-6: Deviations
 - IV. Price Schedule
 - V. Technical Data Sheet
 - VI. Any other part of the bid
- Contents of the document at Sr. No. I above will have overriding precedence over other documents (Sr. No. II to VI above). Similarly, contents of document at Sr. No. II above will have overriding precedence over other documents (Sr. No. III to VI above), and so on.
- 22.5 If a bid is not substantially responsive, it will be rejected by the Nigam, and may not subsequently be made responsive by the Bidder by correction of the nonconformity. The Nigam's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

23. Conversion to Single Currency

23.1 This shall not be applicable as the prices are to be quoted in Indian Rupees only.

24. Techno-Commercial Evaluation

24.1 The Nigam will first carry out a detailed evaluation of the techno-commercial bids (First Part of Two Part Bid) of the bidders found meeting the requirements of bid security (earnest money deposit) and other instructions mentioned in the bid document in order to determine whether the technical & commercial aspects are in accordance with the requirements set forth in the Bidding Documents. In order to reach such a determination, the Nigam will examine and compare the Qualification Requirements and technical & commercial aspects of the bids on the basis of the information supplied by the bidders, taking into account the following factors, for which the Nigam reserves the right to request for any additional information during the techno-commercial evaluation:

(a) Meeting of Qualification Requirements

In the absence of pre-qualification, the Nigam will determine to its satisfaction whether the Bidder is qualified, as per the Qualification Requirement specified in Annexure-PQR to satisfactorily perform the contract. The Nigam shall be the sole judge in this regard and the Nigam's interpretation of the Qualification Requirement shall be final and binding.

(b) overall completeness and compliance with the Technical Specifications and Drawings; deviations from the Technical Specifications & Commercial Requirements as identified in Attachment-6 to the bid and those deviations not so identified; suitability of the facilities offered in relation to the environmental and climatic conditions prevailing at the site; and quality, function and operation of any process control concept included in the bid. The bid that does not meet minimum acceptable standards of completeness, consistency and detail will be rejected for non-responsiveness.

(c) achievement of specified performance criteria by the Equipment/ facilities

(d) type, quantity and long-term availability of mandatory and recommended spare parts and maintenance services,

(e) any other relevant factors, if any, listed in the **BDS**, or that the Nigam deems necessary or prudent to take into consideration.

24.2 Alternatives unless not permitted, but have in any event been offered, may be ignored for evaluation. However, permitted alternatives shall be evaluated as per provisions in the **BDS**

24.3 The price part (Second Part of Two Part Bid) of the bids of the techno-commercially qualified bidders i.e. found suitable/ responsive after scrutiny/ evaluation as per Clause 24.1 ITB shall only be opened.

25. Price Evaluation

25.1 The comparison shall be on the total price in Price Schedule BOQB1

The comparison shall also include the applicable taxes, duties and other levies, which are reimbursable/ Levyable in line with the provisions of the Bidding Documents.

The Nigam's comparison will also include the costs resulting from application of the evaluation procedures described in ITB Sub-Clause 25.2 & 25.3.

25.2 The Nigam's evaluation of a Price bid will take into account, in addition to the bid prices indicated in Price Schedule -BOQ, the following costs and factors that will be added to each Bidder's bid price in the evaluation using pricing information available to the Nigam, in the manner and to the extent indicated in ITB Sub-Clause 25.3 and in the Technical Specifications:

(a) the performance of the equipment offered;

(i) Bidder shall state the guaranteed performance or efficiency of the Equipments, named in the **BDS**, in response to the Technical Specifications. Equipment offered shall have minimum performance specified in Technical Specification to be considered responsive. Bids offering Equipment with a performance less than the specified may be rejected.

(ii) For the purpose of evaluation, the adjustment on the basis of per unit of differential loss in terms of Indian Rupees indicated in the **BDS** will be added to the bid price.

The best parameter of loss quoted at rated parameters for the equipment by any technically responsive bidder shall be taken as basis and that quoted by the particular bidder shall be used to arrive at differential price to be applied for the bid.

- (b) any other relevant factors listed in **BDS**.

The estimated effect of the Price Variation provisions of the Conditions of Contract, applied over the period of execution of the contract, shall not be taken into account in bid evaluation.

- 25.3 Pursuant to ITB Sub-Clause 25.2, the following evaluation methods will be followed:

- (a) Time schedule (program of performance)

The plant and equipment covered by this bidding shall have the 'Taking Over' by the Nigam after successful delivery within the period specified in BDS. Bidders are required to base their prices on the time schedule specified as above. No credit will be given to earlier delivery. Bids offering delivery beyond the specified period will be rejected.

- (b) Guaranteed Performance Efficiency/ Parameters of the Equipments

- (i) Bidder shall state the guaranteed performance parameters or efficiency of the Equipments, named in the **BDS**, in response to the Technical Specifications. Equipment offered shall have a minimum (or a maximum, as the case may be) level of guarantees specified in the Technical Specifications to be considered responsive. Bids offering plant and equipment with guarantees less (or more) than the minimum (or maximum) specified shall be rejected.

- (ii) For the purposes of evaluation, the adjustment specified in the **BDS** will be added to the bid price for each drop (or excess) in the guarantees offered by the Bidder.

- 25.4 Any adjustments in price that result from the above procedures shall be added, for purposes of comparative evaluation only, to arrive at an "Evaluated Bid Price." Bid prices quoted by bidders and rectified as per ITB Sub Clause 22.2 shall remain unaltered.

26. Purchase/Domestic Preference

- 26.1 Price/ Purchase preference or both in procurement shall be given to eligible bidders as per provisions at **BDS**.

27. Contacting the Nigam

- 27.1 From the time of bid opening to the time of contract award, if any Bidder wishes to contact the Nigam on any matter related to its bid, it should do so in writing.

- 27.2 Any effort by a Bidder to influence the Nigam in the Nigam's bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidder's bid. The Nigam shall be the sole judge in this regard.

F. AWARD OF CONTRACT

28. Award Criteria & Quantities

- 28.1 Subject to ITB Clause 29, the Nigam will award the contract to the successful Bidder (also referred to as the L1 Bidder) whose bid has been determined to be substantially responsive and to be the lowest evaluated bid. The Nigam shall be the sole judge in this regard.

The Nigam reserves the right to waive minor deviations if they do not materially affect the capacity and capability of the Bidder to perform the contract.

- 28.2 Bidder would be required to comply with all other requirements of the Bidding Documents except for those deviations which are accepted by the Nigam.

- 28.3 The Nigam reserves the right to vary the quantity of any of the spares and/or delete any items of spares altogether at the time of Award of Contract.

- 28.4 The mode of contracting with the successful bidder will be as per stipulation outlined in Clause GCC 1.2 and briefly indicated below:

- 28.4.1 The award shall be made as follows:

The contract shall be awarded as single indivisible contract having separate price schedules for supply and services (if applicable).

28.5. Quantities

- (a) The quantities are indicative only. No minimum purchase quantity is guaranteed.

If the procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents the bidder shall not be entitled for any claim or compensation.

- (b) The quantity material shall be divided among two qualified bidders, as detailed in BDS, whose bid is accepted and the bidder who accepts the counter offered prices respectively, if there are sufficient number of bidders who match the lowest acceptable prices after negotiations with the L-1 bidder. For this purpose, counter offer may be given to all qualified bidders (other than L-1 bidder). However, the bidder whose original bid was lowest amongst those who accept the counter offer, shall be selected for placing the order apart from L-1 bidder.
- (c) The bidder shall quote for full NIB quantity failing which the offer will be considered non responsive.

29. Nigam's Right to Accept any Bid and to Reject any or all Bids

- 29.1 The Nigam reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Nigam's action.

30. Notification of Award

- 30.1 Prior to the expiration of the period of bid validity and extended validity period, if any, the Nigam will notify the successful bidder in writing by registered letter or by cable or telex or FAX, to be confirmed in writing by registered letter, that its bid has been accepted.
- 30.2 The notification of award will constitute the formation of the contract.
- 30.3 Upon the successful Bidder's executing contract agreement and furnishing of the performance security pursuant to ITB Clause 31, 32, the Nigam will promptly discharge the bid securities, pursuant to ITB Sub-Clause 13.4 & 13.5.

31. Signing the Contract Agreement

- 31.1 At the same time as the Nigam notifies the successful bidder that its bid has been accepted, the Nigam will send the bidder the detailed letter of Award, incorporating all agreements between the parties.
- 31.2 Within 15 days of receipt of the detailed letter of Award, the successful bidder shall sign and date the same and return it to the Nigam.
- 31.3 The bidder will prepare the Contract Agreement (in two originals) and the same will be signed within 30(thirty) days **from the** issue of detailed letter of award. The Supplier shall be provided with one signed original and the rest will be retained by the Nigam.
- 31.4 In case the Bid Inquiry is for Rate Contract, the detailed letter of award may not include a Purchase Order, which may be placed separately through one or more orders depending on requirement during the validity of the rate contract. The Nigam does not guarantee any minimum quantity for purchase and its decision in this regards would be final and shall not be called into question. Nigam reserves the sole discretion in the matter.

32. Performance Security

- 32.1 Within thirty (30) days from the issue of the letter of award, the successful Bidder shall furnish the performance security for 10 % (Ten percent)/ 5% (Five percent)/2% (Two percent)/1% (One percent) as detailed in GCC clause 1.41.1(b) of the estimated total value of the procurement to be made under rate contract in case of rate contract or contract price plus additional performance securities, if any, in line with the requirement of Qualification Requirements and in the form provided in Part-VI, Annexures, of the Bidding Documents. The Stamp Duty and Surcharge will be applicable as per Rajasthan Stamp Act **and amendments therein**.
- 32.2 The Performance Guarantee shall cover additionally the following guarantees to the Owner:
- a) The successful bidder guarantees the successful and satisfactory operation of the equipment supplied under the contract as per the specifications and documents.

- b) The successful bidder further guarantees that the equipment provided by him shall be free from all defects in design, material and workmanship and shall upon written notice from the Nigam fully remedy free of expenses to the Nigam such defects as developed under the normal use of the said equipment within the period of guarantee specified in the relevant clause of the GCC/SCC.
- 32.3 The contract performance guarantee is intended to secure the performance of the entire contract. However, it is not to be construed as limiting the damages under clause entitled "Equipment Performance Guarantees" in Technical Specifications and damages stipulated in other clauses in the Bid documents.

33. Graft & Commission etc.

Any graft, commission, gift or advantage given promised or offered by or on behalf of the contractor or his partner, agent, officers, director, employee or servant or any one on his or their behalf in relation to the obtaining or to the execution of this or any other contract with the Nigam, shall in addition to any criminal liability which it may incur, subject the contractor to the cancellation of this and all other contracts and also to payment of any loss or damage to the Nigam resulting from any cancellation. The Nigam shall then be entitled to deduct the amount so payable from any monies otherwise due to contractor under the contract.

34. Code of Integrity and no conflict of interest

34.1 Code of integrity

Any person participating in a procurement process shall:

- a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- c) not indulge in any collusion, Bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- d) not misuse any information shared between the procuring Entity and the bidders with an intent to gain unfair advantage in the procurement process;
- e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- f) not obstruct any investigation or audit of a procurement process;
- g) disclose conflict of interest, if any; and
- h) disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other entity.

34.2 Conflict of Interest

A Bidder may be considered to be in conflict of interest with one or more parties in a bidding process, if, bidder, including but not limited to:

- a) have controlling partners / shareholder in common; or
- b) receive or have received any direct or indirect subsidy from any of them; or
- c) have the same legal representative for purposes of the Bid; or
- d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or influence the decisions of the procuring entity regarding the bidding process; or
- e) the bidder participates in more than one bid in a bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of the same sub-contractor, not otherwise participating as a bidder, in more than one Bid, or
- f) the bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, works or Services that the subject of the Bid; or

- g) Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer-in-charge / consultant for the contract.

The Bidder shall have to give a declaration regarding compliance of the Code of Integrity prescribed in the Act, the Rules and stated above in this Clause along with its Bid, in the format specified in Annexure-CI.

Breach of Code of Integrity by the Bidder: - Without prejudice to the provisions of Chapter IV of the Rajasthan Transparency in Public Procurement Act, in case of any breach of the Code of Integrity by a Bidder or prospective Bidder, as the case may be, the Procuring Entity may take appropriate action in accordance with the provisions of sub-section (3) of section 11 and section 46 of the Act.

35. Grievance Redressal during Procurement Process

Any grievance of a Bidder pertaining to the procurement process shall be by way of filing an appeal to the First or Second Appellate Authority, as the case may be, as specified in the BDS, in accordance with the provisions of chapter III of the Act and chapter VII of the Rules and as given hereunder.

35.1 Filling of appeal

If any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document with a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose technical bid is found to be acceptable.

35.2 The officer to whom an appeal is filed under Section 38 shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.

35.3 If the officer designated under Section 38 fails to dispose of the appeal filed within the period specified, or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the bidder or prospective bidder or the procuring entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

35.4 Appeal not to lie in certain cases:

An appeal shall not lie against any decision of the Procuring Entity relating to the following matters, namely:

- a) Determination of need of procurement;
- b) Provisions limiting participation of bidders in the bid process;
- c) The decision of whether or not to enter into negotiations;
- d) Cancellation of a procurement process;
- e) Applicability of the provisions of confidentiality.

35.5 Form of Appeal

- a) An appeal shall be in the annexed form along-with as many copies as there are respondents in the appeal.
- b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fees.
- c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

35.6 Fee for Filing appeal

- a) Fee for first appeal shall be rupees two thousand five hundred and applicable GST and for second appeal shall be Rupees ten thousand and applicable GST, which shall be non-refundable.
- b) The fee shall be paid in the form of bank demand draft or banker's cheque of a scheduled bank in India payable in the name of Appellate Authority concerned or as named in **BDS**

35.7 Procedure for disposal of appeal

- a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall :
 - i) Hear all the parties to appeal present before him; and
 - ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.
- c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

The order passed under sub-clause the above shall also be placed on the State Public Procurement Portal.

Volume-I (PART-II)
BID DATA SHEET (BDS)

The following bid specific data for the Plant and Equipment to be procured shall amend and/or supplement the provisions in the Instructions to Bidders (ITB):

S. No.	ITB Clause Ref. No.	Bid Data Details
1.	ITB	The procurement method shall be Rate contract for two year w.e.f. date of issue of letter of award extendable by a maximum period of three months..
2.	ITB 1.1	The Owner/Nigam is: Rajasthan Rajya Vidyut Prasaran Nigam Limited, Jaipur-302005. Kind Attn.: Superintending Engineer (Procurement-II), Gate #3, Old Power House Premises, Near Ram Mandir, Banipark, Jaipur 302006 Telephone Nos.:- 0141-2208924 Fax Nos.:- 0141-2208924 E-mail Address: se.sspc@rvpn.co.in
3.	ITB 1.2	May be read as: The Rate contract shall be for two year w.e.f. date of issue of letter of award extendable by a maximum period of three months. The procurement method shall be Single Stage Two Part Open Competitive bidding.
4.	ITB 2.1	The purchase of 37 Nos. of 250 KVA, 33/0.415 KV Sub-Station Transformers, shall be reserved for procurement from micro & small enterprises classified under sub section (1) of section (7) of the MSMED Act-2006 & situated in Rajasthan. Bids are to be submitted online in electronic format on website http://eproc.rajasthan.gov.in . The bid documents can be downloaded from above mentioned website.
5.	ITB 5.1,	Deleted Followings: Volume-I:-Part V Part VI:- Annexure-AP, Annexure-BGBIS, Schedule-AI, Schedule-FG Added followings: Annexure-CL
6.	ITB 6.1	The time period:- Twenty (20) days
7.	ITB 6.2	Pre-Bid Meeting Date, time and Venue is as under: 02.01.2023, 11:00 Hrs.(subject to furnishing bid document cost), Conference Room, RVPN, Gate #3, Old Power House Premises, Near Ram Mandir, Banipark, Jaipur-302006.
8.	ITB 9.3 (a)	May be read as: Copy of receipt of Bid Security , Bid document cost and Bid Processing Fee deposited.
9.	ITB 9.3 (c)	Addition: Bids furnished by Joint Venture or partner in one Joint Venture are not allowed.
10.	ITB 9.3 (e)	Attachment 5 is not to be furnished
11.	ITB 11.3	Schedule BOQB2 is not applicable for the bid item.
12.	ITB 11.4 (c)	Deleted
13.	ITB 11.4 (d) (e) & (f)	Deleted
14.	ITB 11.4.1	Deleted
15.	ITB 11.5	Base date for Price Variation shall be 01.12.2022 irrespective of actual technical bid opening date. The prices quoted shall be variable without any ceiling as per IEEMA price variation formula indicated in Schedule-PV with respect to prescribed base date irrespective of the date of opening of bid. The price variation shall be applicable on Ex-Works prices which includes packing and forwarding charges. Price variation shall not be applicable on freight & insurance charges and unloading charges unless otherwise specified.

S. No.	ITB Clause Ref. No.	Bid Data Details
		The detailed provision made for standardizing PV claim are enclosed with PV formula (Schedule-PV)
16.	ITB 13.1	<p>Amount of Bid Security (Earnest Money Deposit):</p> <p>1. Rs. 5,23,100.00 (Rs. Five Lac Twenty Three Thousand One Hundred only) / Valid bid securing declaration for Departments & Undertakings of the Rajasthan State Government and Government Undertakings of the Central Government as mentioned in clause No. 13.2 of ITB</p> <p>2. Rs. 2,61,600.00 (Rs. Two Lac Sixty One Thousand Six Hundred only) in case of sick industries, other than Small Scale Industries, whose cases are pending with Board of Industrial and Financial Reconstruction. The Micro, Small & Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish documentary evidence to claim the above.</p> <p>3. Rs. 1,30,800.00 (Rs. One Lac Thirty Thousand Eight Hundred only) in case of micro, small and medium enterprises of Rajasthan.</p>
17.	ITB 13.2	<p>The Bid Security Demand Draft/ Banker's Cheque shall be in favour of Accounts Officer (P&C-I), RVPN Ltd., Jaipur payable at Jaipur. The Bid security BG shall be in favour of Chief Engineer (Procurement), RVPN, Jaipur on Non Judicial Stamp of Rajasthan State in name of BG issuing Bank.</p> <p><u>Para 2 of 13.2 of ITB modified and may be read as</u> The format of the bank guarantee shall be in accordance with the form of bid security included in the Bidding Documents. Bid security shall remain valid for a period of Sixty (60) days beyond the original bid validity period, and beyond any extension subsequently requested under ITB Sub-Clause 14.2.</p>
18.	ITB 13.3	<p>Modified and may be read as:</p> <p>“Any bid not accompanied by an acceptable bid security shall be rejected by the Nigam and shall not be opened”</p>
19	ITB 15.2	<p>Supplement the clauses with:</p> <p>“The bidder shall prepare electronic bid consisting of the documents listed at ITB clause 9 & 11.4, in the formats prescribed in NIB published on website http://eproc.rajasthan.gov.in”</p>
20.	ITB 16.2	All documents should be submitted online in PDF Format only except envelop III (financial bid which shall be in .XLS format).
21.	ITB 16.3	Bidding Document Cost shall be furnished to the AO (P&C-I), RVPN, Jaipur in the form of Demand Draft/ Banker's Cheque payable in favour of Accounts Officer (P&C-I), RVPN Ltd., Jaipur payable at Jaipur. Bid Processing fees shall be furnished to the Assistant Engineer (Proc.II), RVPN, Jaipur in the form of DD payable in favour of MD, RISL, Jaipur payable at Jaipur.
22.	ITB 20.1	<p>Address for Bid Opening: Online on Website: http://eproc.rajasthan.gov.in</p> <p>Superintending Engineer (Proc-II) Rajasthan Rajya Vidyut Prasaran Nigam Limited, Gate #3, Old Power House Premises, Near Ram Mandir, Banipark, Jaipur 302006 Time and date for Bid Opening : As specified on Website: http://eproc.rajasthan.gov.in</p>
23.	ITB 24.1(e)	None
24.	ITB 24.2	Not applicable
25.	ITB 25.1	<p>Supplement the clauses with:</p> <p>The position of bidders (Technically Qualified) in the ascending order statement shall be worked out considering all inclusive unit F.O.R. Destination price of bid item quoted by bidder in Schedule-BOQ. However if any notification/guidelines regarding comparison of prices notified by the Rajasthan State Government before actual date of opening of technical Bid, the same shall be considered.</p>

S. No.	ITB Clause Ref. No.	Bid Data Details
26.	ITB 25.2	None
27.	ITB 25.3(a)	The delivery schedule shall be as per Schedule-DEL
28.	ITB 25.3(b)	This shall be applied as per the provision of Technical Specification (Volume-II) of the bidding documents and clause No. 25.2(a) of ITB
29.	ITB 26.1	<p>Price/Purchase preference or both in procurement shall be given to eligible bidders as under:</p> <p>Purchase preference in procurement shall be given to local enterprises (Local enterprise means an industrial undertaking or a business concern or any other establishment by whatever name called, engaged in the manufacture or production of goods, in any manner, pertaining to any Industry specified in the first schedule to the Industries (Development and Regulation) Act, 1951, situated and have received their acknowledgement of Entrepreneurs Memorandum-II/ UdyogAadhaar Memorandum and registered in the State of Rajasthan) in case, the bidding enterprises from outside the state is adjudged lowest. Any further notification in respect of purchase preference if notified by the Rajasthan State Government before actual date of opening of technical Bid shall be considered in the evaluation of bids and award of contract.</p> <p>In order to seek purchase preference , an application, as prescribed at Form A at Annexure-PPP, shall be submitted by the local enterprise to the General Manager, District Industries Centre of the district concerned, or to the officer nominated by Industries Department, who, after due diligent examination, shall issue verification certificate for the same.</p> <p>Provided that, in case of any grievance in this regard, an appeal on plain paper may be filed by the aggrieved applicant to the Commissioner, Industries Department or to an officer nominated by him for the purpose.</p> <p>Every Micro, Small and Medium Enterprise shall be required to submit an affidavit, in Form B, along with the duly filled bid document, to the procuring entity.</p>
30.	ITB 28.5 (a)	<p>May be read as:</p> <p>If the procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents the bidder shall not be entitled for any claim or compensation.</p>
31.	ITB 28.5 (b)	The NIB quantities for 250 KVA, 33/0.415 KV copper wound natural cooled sub-station transformers and complete accessories shall be divided among two qualified successful micro & small enterprises classified under sub section (1) of section (7) of the MSMED Act-2006 & situated in Rajasthan in the ratio 60:40.
32.	ITB 28.5 (c)	<p>May be read as:</p> <p>The bidder shall quote item wise full NIB quantity failing which the offer will be considered non responsive. However bidder may quote for as many items as he desired.</p>
33.	ITB 32.1	<p>May be read as:</p> <p>Within thirty (30) days from the issue of the letter of award, the successful Bidder shall furnish the performance security for 5 % (Five percent)/ 2.5% (Two and Half percent)/1% (One percent)/0.5% (Half percent) as detailed in GCC clause 1.41.1(b) of the estimated total value of the procurement to be made under rate contract in case of rate contract or contract price plus additional performance securities, if any, in line with the requirement of Qualification Requirements and in the form provided in Part-VI, Annexures, of the Bidding Documents. The Stamp Duty and Surcharge will be applicable as per Rajasthan Stamp Act and amendments therein.</p> <p>“In case the total procured value is less than the awarded value of the contract, the successful Bidder shall be allowed to reduce the performance security as detailed in GCC clause no. 1.41.1 (b), of the total value of the procurement made under rate contract on successful execution”</p>
34.	ITB 32.1	As per article 13– A of Rajasthan Stamp Act, the present rate Stamp duty and Surcharge will be @ 0.25% of Amount of BG security subject to maximum limit of Rupees 25,000.00. However Bidders may also confirm the prevailing rates of Stamp duty and surcharge.
35.	ITB 35	<p>First Appellate Authority: Chairman (Discom)</p> <p>Second Appellate Authority: Energy Deptt., GoR</p>
36.	ITB 35.6	First Appeal : Rs. 2500 + GST @18%

S. No.	ITB Clause Ref. No.	Bid Data Details
		Second Appeal: Rs. 10,000 + GST @18% Fee payable to the Accounts Officer (P&C-I), RVPN Ltd., Jaipur

VOLUME-I

PART-III

GENERAL CONDITIONS OF CONTRACT

Notwithstanding anything contained to the contrary in the specification or bid or any subsequent exchange of correspondence, these General Conditions of Contract shall prevail and shall be binding on the Contractor and any change or variation expressed or impressed howsoever made shall be inoperative, unless otherwise sanctioned by the Nigam. The Contractor shall be deemed to have fully informed himself and to have specific knowledge of the provisions of the General Conditions of Contract mentioned hereunder.

1.1 DEFINITION OF TERMS:

- 1.1.1 In constructing these general conditions and the annexed specification, the following words shall have the meaning herein assigned to them unless there is anything in the subject of context inconsistent with such construction.
- 1.1.2 The "Purchaser" shall mean the Rajasthan Rajya Vidhyut Prasaran Nigam Ltd. represented by Chairman & Managing Director and shall include their legal personal representative, successors and assignees. The "Nigam", "Owner" or "Customer" shall mean the "Purchaser".
- 1.1.3 The "Bidder" shall mean and include one or more persons or any firm or any company or body incorporate who has submitted the bid in response to "Invitation of Bid".
- 1.1.4 The "Contractor" shall mean the bidder whose bid has been accepted by the "Purchaser" and shall include the bidder's heirs, legal representative, successors and assignees approved by the purchaser.
- 1.1.5 The "Sub-Contractor" shall mean the firm or the person named in the contract for any part of the work or any person to whom any part of the contract has been sublet with the consent in writing of the purchaser and shall include his heirs, legal representative, successors and assignees approved by the purchaser.
- 1.1.6 The "Chairman and Managing Director" shall mean the Chairman and Managing Director, Rajasthan Rajya Vidhyut Prasaran Nigam Ltd. Jaipur.
- 1.1.7 The "Engineer" shall mean the Chief Engineer, Addl. Chief Engineer, Rajasthan Rajya Vidhyut Prasaran Nigam Ltd. or other Engineer or Officer for the time being or from time to time duly authorized and appointed in writing by the purchaser to act as Engineer or Inspector for the purpose of the contract. In case where no such Engineer has been so appointed, the word "Engineer" shall mean the purchaser or his duly authorized representative.
- 1.1.8 "Plant", "Material", "Stores", "Works", shall mean and include the plant and material to be provided and work or works to be done by the contractor under the contract.
- 1.1.9 The "Contract" shall mean and include the following. -
- (i) Invitation of bid
 - (ii) Instructions to bidders.
 - (iii) Bid form including schedule of prices.
 - (iv) Bid security.
 - (v) Letter of Intent and its acknowledgement.
 - (vi) Performance Security.
 - (vii) Formal Purchase Order.
 - (viii) Guaranteed Test Performance and Penalty.
 - (ix) General Conditions of Contract.
 - (x) Special Instructions.
 - (xi) Site Conditions.
 - (xii) Specification, specific conditions, schedules and drawings.
 - (xiii) Addenda which may hereafter be issued by the purchaser to the contractor on web or in the form of letter and covering letters and schedule of prices as agreed between the contractor and the purchaser.
 - (xiv) The agreements to be entered into under clause 1.6 of these General Conditions.
- 1.1.10 The "Specification" shall mean the specification, specific conditions annexed to the General Conditions, the contract and the schedule there to, if any.

- 1.1.11 The "Month" shall mean, English calendar month i.e. period of 30 days and "Week" shall mean a period of 7 days.
- 1.1.12 The "Site" shall mean the place or places named in the contract and include, wherever applicable, the lands and buildings upon or in which the works are to be executed.
- 1.1.13 The "Place of delivery" shall mean the place of delivery at which the contractor / supplier is responsible to deliver the material at the contract price.
- 1.1.14 The "Test of Completion" shall mean such tests prescribed in the contract to be made by the contractor before the plant is taken over by the purchaser as per these General Conditions.
- 1.1.15 "Commissioning" shall mean the satisfactory operation of the plant or equipment specified herein after all necessary initial checks, adjustments, trials, cleaning and assembly required at site, if any, have been completed and the plant has been in continuous and un-restricted commercial use specified for at least thirty (30) days or as otherwise.
- 1.1.16 "Commercial Use" shall mean that use of the work, which the contract contemplates or of which it is to be commercially capable.
- 1.1.17 "Letter of Intent" shall mean the purchaser's letter conveying his acceptance of the bid subject to such reservations as may have been stated therein.
- 1.1.18 The "Contract Price" shall mean the sum named in or calculated in accordance with the provisions of the contract/ purchase or any amendments thereto.
- 1.1.19 "Formal Purchase Order" shall mean the purchaser's letter which may be issued in way of letter of intent containing detailed terms and conditions of the work / supply and such other particulars which the purchaser may like to convey to the contractor/supplier pending execution of a formal written agreement in accordance with Clause 1.6.
- 1.1.20 "Consignee" shall mean and include the Controller of Stores, Central Stores Officer, Asstt. Controller of Stores, Stores Superintendents and / or any other officer / official of the Rajasthan Rajya Vidhyut Prasaran Nigam Ltd or of other Nigam assigned by the purchaser all over Rajasthan performing the duties of consignee.
- 1.1.21 "Writing" shall include any manuscript, type written or printed statement under or over signature or seal, as the case may be.
- 1.1.22 The "work codes" shall mean the Indian Boiler Regulation and the rules made there under applicable on the date of letter of intent with such special modification which may be agreed upon by the Chief Inspector of Boiler, Rajasthan from time to time. It shall also include the Indian Electricity Rules, code of practice and Factory Rules & Regulations applicable in the State of Rajasthan on the' date of issue of the letter of intent or such modification thereof as may be specially stipulated by competent State Authorities i.e. Electrical Inspector and Chief Inspector of Factories, Rajasthan.
- 1.1.23 The word "Trial Run" shall mean two (2) weeks continuous and satisfactory operation under full load to furnish proof of satisfactory and trouble free working.
- 1.1.24 Words importing "Person" shall include firms, companies, corporations and other bodies whether incorporated or not.
- 1.1.25 Words importing the "singular" only shall also include the plural and vice versa where the context requires.
- 1.1.26 Terms and expressions not herein defined shall have the same meaning as one assigned to them in the Indian Sale of Goods Act (No. III or 1930) fulfilling that in the Indian Contract Act (Act IX of 1872) and falling that in the General Clause Act, 1897.

1.2 CONTRACT:

The Contractor / Supplier and purchaser shall as soon as possible, unless otherwise agreed upon enter into a sealed agreement for the proper fulfillment of the contract. The expenses of completing and stamping the, agreement shall be paid by the supplier and the purchaser shall be furnished free of charge within executed counter part of the agreement with three copies after the bid has been accepted by the purchaser. All orders / instructions to the contractor shall except as herein otherwise provided, be given by the Engineer on behalf of the purchaser.

1.3 CONTRACTOR TO INFORM HIMSELF FULLY:

The contractor shall be deemed to have carefully examined the General conditions, specifications, schedules and drawings also to have satisfied himself as the nature and character of the work to be executed and where necessary, on the site conditions and other relevant matters and details. Any information there had or otherwise obtained from the purchaser or the Engineer shall not be in any way relieve the contractor from his responsibility for the supplying of information of the plant and equipment and executing the work in terms of the contract including all details and incidental works and supply all accessories or apparatus which may not have specifically been mentioned in the contract but necessary for ensuring complete erection and safe and efficient working of the plant and equipment if he shall have any doubt as to the meaning of any portion of the general and any special conditions of contract and specifications, he shall before signing the contract or commencement of work, whichever is earlier, set forth the particulars thereof and submit them to the engineer in writing in order that such doubt may be removed.

1.4 COMPLETENESS OF CONTRACT:

The equipment shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally supplied with such equipment even though not specifically detailed in the specification unless included in the list of excluded items. The contractor shall not be eligible for any extra payment in respect of such mounting, fittings, fixtures and standard accessories etc. which are needed for the safe operation of the equipment as required by applicable codes only as per contract, and they may not have been included specifically in the contract.

1.5 BID FORM AND ACCEPTANCE OF BID: [DELETED]

1.6 CONTRACT DOCUMENTS AND AGREEMENTS:

1.6.1 The order placed under this specification shall be governed by the terms and conditions as incorporated in this section of the specification and as given in the purchase order and its Annexure(s). The terms and conditions as specified in this section if differ from the terms as indicated in the purchase order and its Annexure(s) the latter shall prevail. The contract shall for all purposes be constructed according to the laws of India and subject to jurisdiction of courts in Rajasthan only. For the due fulfillment of the contract, the supplier shall execute an agreement, in triplicate, in the prescribed form (to be obtained from the purchaser) on non-judicial stamp paper as per stamp duty applicable of Govt. of Rajasthan. Such agreement shall be executed and signed by the competent authority of the supplier on each page with seal thereof. The original copy is only to be executed on the stamp paper. The remaining two copies may be executed on simple paper. Such complete agreement form alongwith the contract documents shall be required to be returned to the purchaser within a period of 30 days from the receipt of the order duly signed on the each page. One copy of the executed agreement duly signed by the purchaser shall be sent to the supplier for his reference. The contract documents shall mean and include the following.

1. Contract Agreement
2. Purchase order & its Annexures.
3. Terms and conditions of the specification.
4. General Conditions of Contract of the specification.

1.6.2 The charges in respect of vetting and execution of the contract shall be borne by the contractor. The contractor shall be furnished with an executed counterpart of the agreement.

1.6.3 After the bid has been accepted by the purchaser all orders or instructions to the, contractor shall except as herein otherwise provided be given by the Engineer in writing on behalf of the purchaser.

1.6.4 Any bid, drawing, technical data or correspondence which forms the basis of an order of a contract as aforesaid or which may be furnished by the contractor for the purchaser's approval or information as provided under the said order or contract, shall be in English and if it is in any other language a complete translation in English shall be duly furnished. The purchaser shall not be bound to consider any bid, drawings, technical data or correspondence which is not furnished in the English language.

1.7 CONSULTING ENGINEER:

The consulting Engineer may co-ordinate, supervise and approve the technical portion .of the work of the contractor and his sub- contractor excluding decision involving financial liabilities to the purchaser for which approval of the engineer shall be obtained.

1.8 DESIGN EQUIPMENTS :

- 1.8.1 All equipment and materials shall be designed and all work executed conforming to codes.
- 1.8.2 Structures and outdoor equipment shall be designed to withstand wind load as set forth in the 'Indian Standards 875 unless otherwise specified in the technical specification.
- 1.8.3 Structural parts and equipment shall be designed to resist lateral inertia forces developed in each corresponding mass center due to seismic ground motion. The structural parts and their anchorages shall be designed on the basis of the conventional acceleration method. The lateral inertia forces will be determined from the expression where ' F' is the force on the part of the lateral direction 'W' is the weight of the part with probable existing service load at the time of the earthquake and "C" is the seismic coefficient i.e. the ratio of seismic coefficient shall be obtained from the Indian Standard IS: 893 unless otherwise specified in the technical specification.
- 1.8.4 The contractor shall provide adequate guards for all couplings by wheels and other moving parts which could be considered as a safety hazard, safety sentinel and relief valves are to be locked or piped in such a manner as to safeguard personnel and property.
- 1.8.5 All safety devices shall be in accordance with the prevailing statutory regulations and requirements.
- 1.8.6 Special attention shall be given to the design arrangement and assembly of all equipment to ensure ease of maintenance and renewal of part.

1.9 STANDARD

- 1.9.1 The equipment covered by specification shall, unless otherwise specified be built to conform to the requirements of relevant standards issued by any of the following and the bidder should specifically mention in each case the applicability of the relevant specifications. :-
 - 1. Indian Standard Institution's Standard code, wherever applicable.
 - 2. Indian Electricity Rules 1916, wherever applicable.
 - 3. British Standard Specification relevant codes and British Electrical Standard Association. .
 - 4. American Society of Mechanical Engineer's Power Test Codes.
 - 5. American Society of Materials Testing Codes
 - 6. American Standards Association / U.S.A. Standards Institute and Edison Electric Institute.
 - 7. Standard of Hydraulic Institute, U.S.A.
 - 8. Heat Exchange Manufacturer's Standards, U.S.A.
 - 9. Bladder Heat Manufacturer's Association Standard, U.S.A.
 - 10. Appropriate National Standard Specification of the country of manufacture on approval by the purchaser.
 - 11. Indian Boiler Regulation Act.
 - 12. Other Standards approved by Purchaser.
- 1.9.2 The equipment conforming to any other national standard which ensure equivalent quality are also acceptable. In such cases the bidder shall clearly indicate the standard adopted and furnish a copy of the English translation of the standard along with the bid.
- 1.9.3 The performance figures quoted shall be guaranteed with the tolerances permitted by relevant standard unless specifically stipulated in the specification. In case of failure of the equipment to meet the guarantee, the purchaser reserves the right to reject the equipment.
- 1.9.4 The bidders are requested to bid for their standard equipment, as far as possible, provided it meets the service requirements mentioned in the specification.
- 1.9.5 Should the bidder wish to depart from the provision of these specification either on account of manufacturing practice or for any other reason, he shall clearly mention the departures and submit complete justification supported by information, drawings etc. as will enable the relative merits of his proposals to be fully appreciated. The engineer shall have the right to reject them and decision of the engineer shall be final and binding on the contractor.

1.9.6 In the event of the Specification and Contractor's drawing and tables etc. being found to disagree the erection of the contract equipment, the annexed specification shall be held binding unless the departures have been duly approved in writing by the purchaser.

1.9.7 INDIAN ELECTRICITY ACT:

All the supplies covered by the contract shall be in accordance with the Indian Electricity Act, 2003 with the latest amendments and the Indian Electricity Rules, 1956 made there under.

1.10 SYSTEM OF UNITS DIMENSIONS, MEASURES AND CALIBRATION: -

All dimensions, measures etc. shall be as per Metric and CGS system of units. All instruments, recorders etc. shall also be calibrated in Metric and CGS system of units

1.11 INDEMNITY:

In the event of any claim or demand being made or action being brought against the purchaser for infringement or alleged infringement of latter's patent in respect of any machine, plant, work or thing used or supplied by the contractor / supplier under this contract or in respect of any method of using or working by the purchaser of such machine, plant, works or thing the contract will indemnify the purchaser against such claim or demand and all cost and expenses arising from or incurred by reasons of such claim or demand provided that the purchaser shall notify the contractor within reasonable time any claim is made and that the contractor shall if he so desires with the assistance of the purchaser, if required, by the contractor's own expense, to conduct all negotiations for the settlement of the same or any litigation that may arise there from and provided that no such machine, plant work or thing shall be used by the purchaser for any purpose or in any manner other than that for which they have been supplied by the contractor and specified under this contract.

1.12 SUBMISSION AND APPROVAL OF DRAWINGS:

1.12.1 Within thirty (30) days of the date of receipt of the purchaser's letter of intent, the contractor shall submit to the consulting engineers as well as to the purchaser, the following drawings of plant and technical data for approval as per distribution schedule attached with the specification: -

- (i) Dimensional general arrangement / outline drawings of the plant and equipment to be supplied under the contract and all data including floor plan, loading data, location of foundation bolts etc. relating to foundation structures to enable the purchaser to arrange for civil construction work.
- (ii) Dimensional drawing showing individual equipment being supplied under the contract, method and sizes of connections to the purchaser's other equipment, giving also the limits of variation of the dimensions.
- (iii) All efficiency and characteristic curves and technical particulars required under the specification.
- (iv) Schedule drawings of all writings, connection and interlock diagrams showing the points where connections have to be made by the purchaser.
- (v) Necessary structural and other calculations and data required for approval.

1.12.2 Nigam's Engineer/ the consulting Engineer shall return to the contractor one set of all these drawings, plants and technical data after marking them with their comments / corrections if any, either (a) stamped approved or (b) marked up with the comments. In case of (a), no further submission of drawings will be required. In case of (b) the contractor shall correct his original drawings and will be required to conform to the comments made by the consulting engineers and resubmit within two (2) weeks of receipt of comments in the same manner as stated in the distribution schedule. After approval of the drawings a reproducible of each drawings shall be supplied, final drawings shall be certified as "Approved for constructions". Should any minor revision be made after 'Approval', the contractor shall redistribute prints and reproducible as per the distribution schedule. Every revision shall be marked by a number, date and subject in a revision block provided in the drawings. The consulting engineer's approval shall not relieve the contractor from any of his obligations and responsibility to fabricate and erect the materials conforming to the specification, unless a written amendment to the specification is issued by the purchaser. In case of 220kV/132 transmission line towers 16 sets of bill of material shall be furnished after approval of proto type model assembly of these towers for field use, along with one set of reproducible prints.

1.12.3 Reproducible shall be of quality to produce clear and legible prints and any inferior reproducible will be returned by the purchaser for replacement with suitable reproducible. All reproducible shall be

mailed rolled (not folded) on the outside of regular mailing tubes except small sizes can be mailed unfold in an envelope with a card board backing. The prints and reproducible shall be mailed in the most expeditious manner and shall be accompanied with a letter of transmittal.

- 1.12.4 One (1) copy each of the drawings marked as built shall be returned immediately upon completion of the job by the contractor and duly marked with the needed modifications / alterations made at site, in accordance with engineer's approval. Similarly, one set of 'As Built' drawings alongwith the reproducible for drawings prepared by the contractor immediately upon completion of the corresponding work / works shall be furnished.
- 1.12.5 Any work shown on the drawing and not particularly described in the specification or specified in the specification and not shown on the drawing shall be included by the contractor in his bid and the omission either from the drawings or specification of any details of work necessary and obviously intended, shall not relieve the contractor from performing such work.
- 1.12.6 The contractor shall take approval of designs and drawings before commencement of manufacture of the equipment. Any manufacturing done prior to approval of drawings shall be rectified by the contractor at his own cost if any discrepancy arises. No extension of delivery period shall be granted on this account.
- 1.12.7 The purchaser shall have the right to request the contractor to make any change in the design / drawing which may be necessary to make the equipment conforming to the provision and interests of the contract.
- 1.12.8 The contractor shall be responsible for and shall pay for any alterations of the work due to any discrepancies, errors and omissions in the drawings or other particulars, supplied by him, whether such drawings or particulars have been approved by the engineer or not, provided that if such discrepancies errors or omissions are due to inaccurate information or particulars furnished to the contractor by the engineer, any alterations in the work necessitated by reasons of such in-accurate information or particulars shall be paid for by the purchaser.
- 1.12.9 If any dimensions figured upon a drawing or a plan differ from those obtained by scaling the drawing or plan, the dimensions as figured upon the drawing or plan shall be taken as correct.

1.13 ERRECTION, DRAWINGS AND INSTRUCTION MANUAL:

The contractor shall submit to the engineer & purchaser within a reasonable time but at least three (3) months before dispatch of equipment the following drawings and instruction manual etc. in accordance with the distribution schedule attached:

- (i) Erection drawing along with reproduction print.
- (ii) Instruction books, for proper erection and assembly of all equipment and necessary instructions for checking, and recording proper assembly of the plant.
- (iii) Instruction sheets for proper balancing alignment, adjustment, checking, calibration as may be necessary.
- (iv) Descriptive literature and drawings to illustrate the working principles method of assembly and dismantling.
- (v) Operation and maintenance manual.

1.14 SPARE PARTS AND TOOLS:

- 1.14.1 The contractor shall furnish eight (8) sets of spare parts hand books with details and diagrams wherever necessary. The contractor shall recommend separately along with the bid, the spare parts required for three (3) years satisfactory operation and maintenance of the offered equipment together with item wise price and should furnish the manufacturing drawings of the spare parts, which the particular company is not manufacturing. The contractor shall also recommend with item wise prices separately along with this price, spare parts required for five (5) years satisfactory operation and maintenance of the offered equipment parts requiring frequent replacement shall be listed separately from parts, required for ensuring reliability in unforeseen emergencies. The list shall be accompanied with full position indicating the reduction from the stock list price if these spares are ordered at one time.
- 1.14.2 The contractor shall also indicate facilities existing or under planning to ensure the ready availability of spare parts other than those already being manufactured indigenously.

- 1.14.3 The contractor shall be responsible for the subsequent availability of spares to ensure continued trouble free service.
- 1.14.4 In the event of an order, the contractor shall guarantee that spare parts for the equipment will be made available as and when required by the purchaser on the following terms: -
- (a) The contractor shall guarantee that he will supply spare if and when required on an agreed basis for the life time of the plant. The agreed basis shall be a discount to be stated in the bid over the published catalogue prices at the time of supply of the spare parts.
 - (b) The contractor shall warrant that before going out of production of the spare parts he will give adequate advance notice to the purchaser so that the latter may order his requirement of spares in one lot, if he so likes.
 - (c) The contractor shall further guarantee that if he goes out of production of spare parts then he will make available blue prints, drawings of spare parts and specification of material at no cost to the purchaser, if and when required in connection with the equipment to enable the purchaser to fabricate or procure spare parts from either sources.
- 1.14.5 One complete set of maintenance tools and tackles required for complete assembly dismantling and maintenance of equipment shall be quoted separately giving the item wise prices.
- 1.14.6 All tools shall be of best quality and specially protected against rusting in tropical climate. The tools shall be furnished neatly arranged in special portable tool cabinets. An item wise price list shall be furnished with the bid of the recommended erection tools and tackles.

1.15 INTERCHANGEABILITY OF PARTS:

All parts shall be made accurately to standard gauges so as to facilitate replacement and repairs. All corresponding parts of similar apparatus including the spare parts shall be interchangeable.

1.16 SPECIAL TOOLS AND TACKLES:

- 1.16.1 The bidder shall furnish to the purchaser a complete and unused set of all special tools, tackles which are necessary or convenient for erection, commissioning, maintenance and overhauling of any of the equipment covered under the specification.
- 1.16.2 The tool shall be despatched in separate package clearly marked with the name of the equipment for which they are intended.
- 1.16.3 The bidder shall clearly indicate separately in his' bid item wise quotation of the list of tools he proposes to furnish.

1.17 MATERIALS AND WORKMANSHIP:

- 1.17.1 All materials used in the construction of the equipment shall be originally new and unused and will comply with the standards and codes specified above and shall be selected from the best available considering strength, durability and best engineering practice, it will not deteriorate or distort under the prevailing extremes of atmospheric conditions. The workmanship and design shall be in accordance with the best engineering practice and shall be such as have been proved suitable for the intended purpose and for giving satisfactory performance under the prevailing climatic conditions and proposed system of supply. Liberal factors of safety shall be used throughout the design and special consideration shall be given on parts subject to alternating stresses or shocks or most severe operating conditions.

1.17.2 MINOR ACCESSORIES FITTINGS:

The contractor shall supply all such minor accessories, fittings, apparatus required for the completion of the supply which have not been specifically mentioned in this specification or bid offer but which are usual or necessary for the equipment.

1.17.3 PATENT AND RIGHTS:

The supplier shall give indemnity and keep. indemnified the purchaser against liability of any kind, including the cost and expenses for the order on account of any copyright and / or secret or process (es) adopted by the supplier including their use by the purchaser.

1.18 REPLACEMENT OF DEFECTIVE WORK FOR MATERIALS:

If during the progress of the work, the Engineer decides and notify in writing to the contractor that the contractor has executed any unsound or imperfect work or has supplied any plant inferior in quality to that specified, the contractor on receiving details of such defects or deficiency shall at his own expense, within such time as may be reasonably necessary for making it good, proceed to reconstruct or remove such work or supply fresh material up to the standard of the specification and in case the contractor fails to do so, the purchaser may on giving the contractor seven days notice in writing of his intention to do so proceed to remove the work complained if and, at the cost of the contractor, perform all such work of supply all such material provided that nothing in this clause shall be deemed to deprive the purchaser or effect any right under the contract, which he may otherwise, have in respect of such defects or deficiencies.

1.19 NAME PLATES AND MARKING OF PARTS:

1.19.1 All equipment shall have metal name plates fixed in suitable position with full particulars engraved thereon.

1.19.2 In order to facilitate identification the parts of the equipment shall be suitably marked.

1.20 PAINTING:

1.20.1 All surfaces interior and exterior of the equipment shall be shot blasted to remove all rust, scale, grease or other adhering foreign matter. Surface shall be painted inside and outside with two (2) coat of high quality approved primers and two (2) coats of finish paint in approved colour.

1.20.2 All metal parts not accessible for painting shall be made of corrosion resisting metal. All finished surface subject to list, shall be coated with a suitable rust preventive compound. Surface shall be putty filled and rubbed down to ensure first quality glossy finish.

1.20.3 Paints shall be carefully selected to withstand tropical heat and extremes of weather specified herein. It shall not scale off or crinkle or be removed by abrasion in handling.

1.20.4 The contractor shall also supply adequate quantities of varnish etc. for the use of finishing coat and for touching up any scratches during transport, handling, erection, testing and commissioning.

1.21. POWER TO VARY OR OMIT WORK:

1.21.1 No alterations, amendments, omissions, additions, suspensions or variations of the plant or work hereinafter referred to as variations under the contract as shown in the contract drawing or the specification shall be made by the contractor except as directed in writing by the Engineer but the Engineer shall have full power, subject to the provision hereinafter contained from time to time during the execution of the contract by notice in writing to instruct the contractor to make such variation without prejudice to the contract and the contractor shall carry out such variations and shall be bound by the same conditions as far as applicable as though the said variations occurred in the contract.

1.21.2 If any suggested variation would, in the opinion of the contractor if carried out prevent him from fulfilling any of his obligations or guarantees under the contract, he shall notify the Engineer thereof in writing and the Engineer shall decide forthwith whether or not the same shall be carried out and if the Engineer confirms his instructions the contractual obligations and guarantee shall be modified to such extent as may be justified.

1.21.3 The difference of cost, (if any) occasioned by such variation shall be added to or deducted from the contract prices as the case may require. The amount of such difference, if any shall be ascertained and determined in accordance with the rates specified in the schedules of prices so far as the same may be applicable and where the rates are not contained in the said schedules or are not applicable, they shall be settled by the Engineer and contractor jointly, as far as possible for such variation carried out provided that the purchaser shall not become liable for the payment of any charges in respect of any such variations, unless the instructions for the payment of the same shall have been given in writing by the Engineer.

1.21.4 In every case, in which the contractor has received instructions from the Engineer for carrying out any work which either then or later will in the opinion of the contractor involve a claim for additional payment for extra work or for extra materials, the contractor shall as soon as reasonably possible after receipt of such instructions inform the Engineer to that effect. But the purchaser shall not be liable for payment of any charge in respect of any such variation unless instructions for making the same have been given in writing by the Engineer after receipt of such information from the contractor.

- 1.21.5 In case the Engineer refuses to admit that any variation directed by him involves extra work or extra materials entitling the contractor to claim extra payment, the contractor shall nevertheless if so required by the Engineer carry out the same and matter in difference shall be decided by purchaser.
- 1.21.6 In the event of the Engineer requiring any variations such reasonable and proper notice shall be given to the contractor as will enable him to make his arrangement accordingly and in case where goods or materials have already been prepared or any designs, drawings or pattern have been made or work done that required to be altered, a reasonable sum in respect thereof shall be allowed by the Engineer provided that no such variation shall, except with the consent in writing of the contractor be such as will involve a net increase or decrease of the total price payable under the contract by more than 10(Ten) percent thereof.

1.22 PROGRESS REPORT AND PHOTOGRAPHS:

- 1.22.1 The contractor shall furnish six (6) prints each of photographs of progress of the work done in his workshop. Photographs shall be taken when and where indicated by the Engineer or his representatives. Photographs shall be approximately 8 inches by 10 inches in size, including margin on one 10 inches side for binding, adequate number of photographs shall be submitted indicating various stages of manufacture. Each photograph shall contain the date, the name of the contractor and the title of the view taken.
- 1.22.2 Monthly progress report shall be submitted. The progress report shall be submitted in such a form as may be required by the purchaser. These shall detail the status of design, procurement of raw material, approval of contractor's drawings, manufacture of the equipment and statement showing position of payment. Further, the following information should be incorporated: -
- (a) The contractor shall attach a proposed bar or PERT CHART indicating from the date of issue of purchase order, time required for the following: -
 - (i) Commencement and completion of all engineering and design works including (2) two weeks for consulting engineers & comments.
 - (ii) Procurement of all raw materials showing placing of all raw material indents, processing, expected dispatch and receipt at his works.
 - (iii) Commencement & completion of all sub-contracts indicating expected manufacture and shipment time upto receipt at his works.
 - (iv) Manufacturing components and sub-assemblies.
 - (v) Assembling, testing, dispatch and receipt at site. allowing two (2) weeks for the purchaser's inspection and minimum three (3) weeks for transportation to site.
 - (vi) An overall 'Force Majeure' or unforeseen conditions causes delay of not more than 120 days.

1.23 DELIVERY AND TIME FOR COMPLETION:

- (a) The part of delivery as mentioned in the purchase order should be strictly adhered to by the supplier. The date for the purpose of reckoning the delivery to the consignees in case of despatch by Railway shall be the date of R/R. In case however, if the despatches are effected by way of road transport, the date of GTR shall be reckoned as date of delivery for the purpose of calculation of penalty for delay in delivery provided that the material is received within 10 days from the date of GTR in respect of despatches made from outside the State and within 3 days from the date of GTR in respect of despatches made from within the State. Beyond this period, the date of receipt of the material by the Consignee at his Stores shall be the date of delivery. Any equipment is considered to have been delivered only when all the components are also delivered in full. If certain parts are omitted to be delivered in time so as to make the unit not fit for being put into use the whole unit of the equipment will be considered as delayed till the time missing parts are also delivered.
- (b) The purchaser reserves the right to defer the delivery period as indicated in the purchase order. However the material already manufactured should be accepted. The period during which the supplies have been so deferred shall not be reckoned as delay in delivery in terms of clause 'Delay In Delivery'.

1.24 DELAY IN DELIVERY:

- a) The time for and date of delivery specified shall be deemed to be the essence of the contract and supplies shall have to be completed not later than the date (s) specified. Should the supplier failed to deliver the

material/equipment or any part thereof within the specific delivery period, the Purchase Officer shall be entitled for the following:

- 1 To effect recovery in case of orders placed by Procurement Wing or project related orders placed by Contract Wing for delay in delivery /execution @ ½ % percent per week or part thereof for first 4 weeks and thereafter 1 % per week or part thereof subject to a maximum of 10%. In case of orders placed by other Wings of RVPN, recovery shall be affected for delay in delivery/execution @ ½ % per week or part thereof subject to a maximum of 10% of delayed / un executed supply/works. The amount of recoveries will be worked out on the basis of applicable ex-works price. The above recoveries will be recovered with applicable GST. In cases where Ex-works prices have not been indicated, then the recovery shall be worked out on the basis of prices as shown in the purchase order. The extent of delay beyond 15 days from the date of receipt of notice in the office of the purchasing authority or readiness of material (whichever later) for inspection to issue of despatch instruction shall be to the purchaser's account.
 - 2 In case the supplier fails to deliver the ordered quantity of material/equipment's or any part thereof even after 3 months of expiry of the schedule delivery period, Nigam shall have right to cancel the order to that extent and to forfeit the security amount and recover the damages from the financial hold available against the contract and sever the business relationship with the supplier for a period of two (2) years.
- b) The adjustment in regard to the amount recoverable, if any, in terms of para 1.24(a) shall be made from the cash deposits/dues of the firm or by operating the Bank Guarantees as may be available with the Nigam and/or in any other manner as may be deemed appropriate by the purchaser.
- c) Any financial liability i.e. increase in rate of GST, cost of raw material, freight charges, Insurance tariff etc. arising consequent upon failure of the supplier to adhere to the stipulated delivery schedule shall be to his (Supplier's) account.

1.25 FORCE MAJEURE CONDITIONS:

If at any time during the currency of the contract the performance in whole or in part be prevented or delayed by reason of any war hostility acts of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restrictions, strikes, lockouts or acts of God (hereinafter referred to as 'Events') then provided Notice and adequate proof of the production / despatch having suffered on account of these events, is given within 21 days from the date of occurrence thereof the provision of sub paras (a), (b) and (c) of clause 1.24 shall not be invoked by the purchaser provided further that the deliveries under the contract shall be resumed, as soon as practicable after such event (s) has ceased to exist and the decision of the purchaser as to whether the deliveries have been so resumed or not shall be final and conclusive provided further that in case the strike / lockout prolongs beyond a period of thirty days, the supplier shall immediately inform about to the purchaser in which case the purchaser reserves the right to procure the material /equipment on order or part thereof from any other source at the risk and cost of the supplier.

1.26 SUSPENSION OF WORKS:

The purchaser shall not be liable to pay the contractor any compensation whatsoever arising from suspension or for idle labour.

1.27 INSPECTION AND TESTING:

- 1.27.1 The Engineer and his duly authorized representative shall have at all reasonable times access to the contractors premises of works and shall have the power at all reasonable time to inspect drawing of any portion of the work or examine the materials and workmanship of the plant, if being manufactured on other premises, the contractor shall obtain for the Engineer and for his duly authorized representative permission to inspect it as if the plant was manufactured on the contractor's own premises.
- 1.27.2 The Engineer shall on giving seven days, notice in writing to the contractor setting out any grounds of objections which he may have in respect of the work, be at liberty to reject any drawing and' all or any plant, or workmanship connected with such work which in his opinion are not in accordance with the contract or are in his opinion, defective for any reason whatsoever.

- 1.27.3 The bidder shall state in his bid the places of manufacture, testing and inspection of various equipment offered by him. Unless specifically provided otherwise, all tests shall be made at the contractor's works before shipment.
- 1.27.4 (A) The supplier shall intimate at least 15 days in advance through notice(s) about the readiness of material so as to enable the purchaser to depute his representative for inspection, testing and checking of the material/ equipment. In case, material/equipment is not found ready by the representative of the purchaser deputed for inspection to the extent of the quantity indicated in the inspection call with tolerance of (+/-) 10% or if the inspection is not got carried out by any reason(s) on account of the supplier, an amount of Rs.3000/- only with applicable GST for the supplier's work located in Rajasthan and an amount of Rs. 10000/- only with applicable GST for the supplier's works located outside Rajasthan will become payable by the supplier on this account to the Accounts Officer (P&C-I), RVPN, Jaipur. The supplier will deposit the amount with the Accounts Officer (P&C-I), RVPN, Jaipur immediately under intimation to the purchasing authority, failing which the subsequent call for inspection shall not be entertained.
- 1.27.4 (B) The material/equipment shall be offered duly packed so as to enable the inspecting officer to seal.
- 1.27.5 In all cases where the contract provides for tests, whether at the premises of works of the contractor or any sub-contractor, test at site the contractor except where otherwise specified shall provide free of charge to the purchaser, such labour, materials, electricity, fuel, water, stores, apparatus and instruments as may reasonably be demanded to carry out efficiently such tests of the plant, in accordance with the contract and shall give facilities to the Engineer or his authorized representative to accomplish such testing.
- 1.27.6 The purchaser reserves to himself the right of having any inspection or special test of a reasonable nature at contractor's premises or at sites in addition to those prescribed in applicable standards and the enclosed technical specification.
- 1.27.7 When the tests have been satisfactorily completed at the contractor's or sub-contractor's works the Engineer shall issue a certificate to that effect but if the tests were not witnessed by the Engineer or his representative, the certificate would be issued after the receipt of test certificate by the Engineer. No plant shall be shipped before such a certificate has been issued. The satisfactory completion of these tests or the issue of this certificate, shall not bind the purchaser to accept the plant, should it on further tests after erection, be found not to comply with the contract.
- 1.27.8 The authorized representative of the purchaser shall have at all reasonable times access to the works and premises of the supplier and / or his associates if any, and shall be free to inspect the works, examine and test the product(s) including raw material used and the workmanship employed during / after manufacture.
- 1.27.9 The supplier shall also furnish the latest calibration certificate of the testing instruments / equipment used for the testing of the materials / equipments as covered in the purchase order to the inspecting officer. The testing instruments / machines should be got calibrated by the supplier from time to time from the manufacture of the testing instruments or any Govt. recognized testing laboratory. The calibration certificate should not in any case be older than one- year at the time of presenting the same to the Inspecting Officer. In case however, the supplier fails to comply with the conditions as aforesaid, a certificate in writing of the inspector / representative of the purchaser that the supplier has failed to provide the facilities shall be conclusive. -.
- 1.27.10 Unless the inspection is specifically waived no material shall be dispatched without inspection and clearance for dispatch by the purchaser's representative.
- 1.27.11 The purchaser reserves the right to reject all or any part of the material being manufactured or awaiting dispatch, due to any defect or deviations from the standard specifications prescribed as observed during the Inspection. In case of any dispute / difference in this regard the decision of the Chief Engineer (Proc.) shall be final and binding.
- 1.27.12 The purchaser also reserves the right to get the material/equipment tested in any recognized Government Laboratory & claiming any compensation or rejecting the material/equipment, if not found in accordance with the specification. All charges consequent to such rejection and replacement / rectification shall be borne by the supplier.

1.28 TEST CERTIFICATE :

- 1.28.1 Original/attested Photostat copies of the latest type test certificate from any recognized Government Laboratory, for all the type tests wherever prescribed in the relevant latest addition of 188 (as applicable) shall be furnished alongwith the bid.
- 1.28.2 In case of any specific alternative requirement of type tests, the same shall be furnished as per Section-3.
- 1.28.3 The bid not accompanied by the type test certificate in terms of para 1.28.1 above, are liable to be ignored.
- 1.28.4 The supplier shall be required to furnish the routine / manufacturer(s) factory test certificate(s) for the tests carried out during manufacture in accordance with the relevant standard specifications.

1.29 ACCEPTANCE OF PLANT FOR DESPATCH:

When all tests to be performed in the contractor's or sub-contractor's premises, under the terms of this contract, have been successfully carried out, and test report approved, the dispatch instructions will be given by the Engineer to the contractor for immediate despatch and will not unreasonably be withheld.

1.30 PACKING AND MARKING:

- 1.30.1 The equipment with its accessories shall be packed in accordance with the manufacturer's standard practice in suitable sizes of packing cases worthy of Rail/Road Transport and will be marked legibly to avoid any possibility of goods being lost or wrongly dispatched elsewhere on account of faulty marking, it must be ensured that no damage is caused to the equipment as a result of defective packing.
- 1.30.2 Any equipment or part thereof, that develops defects not disclosed prior to the final acceptance by the purchaser but are disclosed within one year after the material is placed in service or within 18 months from the date of receipt of the last consignment, whichever is earlier shall be promptly replaced by supplier free of charge and all expenses for the transportation and other incidental charges for such replacement shall be borne by the supplier.
- 1.30.3 The contract shall include and provide for securely protecting and packing the plant so as to avoid loss or damage during transport by Sea, Rail and Road.
- 1.30.4 All packing shall allow for easy removal and checking at site, whenever necessary, proper arrangements for attaching, lugs for lifting shall be provided and all packages shall be clearly marked with signs showing up and down side of boxes and handling and unpacking instructions as considered necessary. Special precaution shall be taken to prevent rusting of steel and iron parts during transit by sea, gas seals or other methods proposed to be adopted for protection against moisture during transit shall be subject to the prior approval of the Engineer.
- 1.30.5 The cases containing easily damageable material shall be very carefully packed and marked with appropriate caution symbols i.e. FRAGILE, HANDLE WITH CARE, USE NO HOOK, ETC.
- 1.30.6 Each bale or package delivered under the contract shall be marked by and at the expense of the contractor and such marking must be distinct (all previous irrelevant marking being carefully obliterated). Such marking shall show the description and quantity of contents, the name of the consignee and address, the gross weight of the package, the name of the contractor with a distinctive number of mark sufficient for purpose of identification. All marking shall be carried out with such materials as to ensure quickness of drying, fastness and indelibility.
- 1.30.7 Each bale or package shall contain a packing note quoting specifically the name of the contractor, the number and date of contract or order and the name of the office placing the contract, nomenclature of the stores and include a schedule of parts for each complete equipment giving the parts Nos. with reference to the assembly drawing & the quantity of each part, drawing numbers and tag numbers. The gross and net weight of each package shall 'be clearly marked on it.
- 1.30.8 The shipment dimensions of each package shall not exceed the maximum dimensions for a package which can be accepted for transport over the broad gauge system of Indian Railways.
- 1.30.9 After delivery of the material at site, all packing shall become the property of the purchaser.
- 1.30.10 Not withstanding anything stated in this clause the contractor shall be entirely responsible for any loss, damage or depreciation of the material to the stores due to improper and insecure packing.

1.31 DESPATCHES:**(A) DESPATCH OF INDIGENOUS PLANT**

- 1.31.1 Equipment / material shall be dispatched at the consignee stores anywhere in Rajasthan as per dispatch instructions (if any shall be issued by the Engineer) as per clause 1.29.
- 1.31.2 Notification of delivery or dispatch in regard to each and every consignment shall be made to the purchaser immediately after dispatch or delivery. The supplier shall further supply to the consignee a priced invoice and packing account of all stores, delivered or dispatched by him. All packages, containers, bundles and loose materials forming part of each and every consignment shall be described fully in the packing account and full details of the contents of package and quantity of material shall be given.
- 1.31.3 A list in duplicate containing details of equipment verification at site shall also be placed inside each package and shall correspond with the advice note.

(B) SHIPMENT OF IMPORTED PLANT:

- 1.31.4 The contractor shall advise the purchaser, the C.I.F. value of each consignment as soon as the goods are ready for shipment. The contractor shall ship the equipment on behalf of the purchaser as far as possible on board, a vessel belonging to an Indian shipping line. In the event of such a course being likely to lead to serious delay, shipment may be effected by the first available vessel belonging to any other shipping line provided the freight rates charged are not higher than the conference rates applicable to the shipping route at the time of shipment and all rebates and refunds available for Government consignments are duly taken into account. In either case the contractor shall be responsible for the correct appraisal of freight rates (structural or machinery as the case may) weight and volumes. In no case will the purchaser be liable to pay any warehouse wharfage charges.
- 1.31.5 In the event of the shipment being effected through any of the Indian shipping companies, the freight charges shall be paid by the purchaser direct to the company in India but in case the shipment is effected through any other shipping line, the freight charges shall have to be prepaid by the contractor on behalf of the purchaser. This amount shall be reimbursed to the contractor against invoice duly supported by original voucher from the shipping companies in quadruplicate.
- 1.31.6 Shipping document shall be made available at least two (2) weeks in advance of the arrival of the vessel at the port entry. They shall not be forwarded through a bank necessitating payment before the documents are surrendered by the purchaser. Documents forwarded in this manner will not be collected by the purchaser. Any claim, demurrage etc. arising from delay in collecting shipment documents from the bank shall be payable by the contractor.
- 1.31.7 After shipment is effected, the following documents shall be forwarded direct to the purchaser by the first and second registered airmail:
- (a) Bill of lading in original and to non-negotiable copies.
 - (b) F.O.B. invoices in six triplicate for customs purchase.
 - (c) Packing list in six duplicate.
 - (d) Certificate of original in triplicate.
 - (e) Acceptance Certificate by the purchaser in triplicate.
- 1.31.8 When the equipment is imported, the manufacturer is to intimate at least two (2) months in advance the size of over dimensioned packages to enable Nigam for arranging special wagons and obtaining railway permission including arrangement of special handling equipment.

1.32 INSURANCE:

- 1.32.1 On receipt of an order the supplier shall be required to get' material / equipment fully insured from General Insurance Corporation of India or any other insurance company against loss, damage and / or pilferage in transit, from the place of dispatch to the destination and for a further period of thirty (30) days towards storage after receipt of material / equipment at destination. The insurance could be done through the underwriters by the supplier provided that the charges are lower than those of Insurance Companies.
- 1.32.2 The supplier shall be responsible for safe arrival at destination and receipt of the material/equipment by the consignee (s).

- 1.32.3 In case of any loss / damage / pilferage, etc. the supplier shall replace free of cost such missing /damaged or lost material on receipt of the report thereof from the consignee(s). Such reports shall be made to the supplier by the consignee(s) within a period of thirty (30) days from the date of receipt of each consignment by him / them.
- 1.32.4 The replacement of shortages / damages / losses shall be dispatched or defects rectified at the consignee (s) stores within a period of thirty (30) days or mutually agreed period from the date of such report failing which the purchaser reserves the right to forfeit security deposit and / or operate the performance security if any, and / or take any other appropriate action as may be expedient.
- 1.32.5 The defective damaged material/equipment shall be returned to the supplier at his cost only after replacement, thereof, have been arranged to the satisfaction of the consignee(s) / purchaser.
- 1.32.6 In case, the damaged / defective material/equipment or part thereof warrants return to the supplier's work for necessary rectification, the supplier may be required to furnish a bank guarantee from any scheduled bank equivalent to the value of such material plus taxes as claimed by the supplier and the amount already paid for. The period for return of rectified material/equipment as well as validity of the bank guarantee, shall be as mutually agreed upon and any time taken beyond the aforesaid period shall be treated as delay in delivery in terms of clause No.1 .24 of this specification.
- 1.32.7 If the supplier /contractor has not incurred the cost towards insurance charges, the payment towards insurance charges will not be paid.

1.33 DELIVERY, CUSTOMS, OCTROI, DUTIES ETC. :

- 1.33.1 The period of delivery will be a factor in deciding the award of the contract and timely delivery to meet the schedules is of vital importance.
- 1.33.2 The contract prices shall include the cost of delivering the whole of the equipment F.O.R. consignee /railway station / siding, inclusive of packing anywhere in Rajasthan.
- 1.33.3 The contract prices shall include all incidental and statutory charges, loading and unloading, freight, customs, duty clearance, octroi, terminal taxes, corporation and municipal taxes(if any) leviable at destination.

1.33.4 GOODS AND SERVICE TAX (IGST/CGST & SGST):

The payment of Goods and Service Tax (IGST/CGST & SGST) shall be made only on furnishing the following certificate which may be affixed on the bills preferred or the material supplied.

Goods and Service Tax (IGST/CGST & SGST) Certificate

- (i) Certified that the goods on which GST (IGST/CGST & SGST) has been charged have not been exempted under the applicable GST law and that the charges on account of GST on these goods are correct under the provisions of the relevant act or the rules made there under and the GST has been deposited by us to the related authority. Nigam will not be responsible for the payment of GST to the related authority.
- (ii) Certified further that we _____are registered under GST as dealers in the state of _____under registration No._____ for the purpose of GST (IGST/CGST & SGST).

1.34 TESTS AT SITE:

- 1.34.1 In all cases where the contract provides for tests at the site, the contractor except where otherwise specified, shall provide free of charge such labour materials, electricity, fuel, water stores, apparatus and instruments as may be required from time to time as may reasonably be demanded to carryout efficiently such tests of the material or workmanship in accordance with the contract.
- 1.34.2 In case of contractor requiring electricity for test at site, such electricity shall be supplied to the contractor in the convenient form available, on payment, except specifically exempted
- 1.34.3 Purchaser reserves the right to carry out any site tests he may decide upon at his own expenses. In case equipment / material is not found as per purchase order all expenses incurred during the testing will be to supplier's account and material shall be replaced by supplier at site free of cost.

1.35 TEST ON COMPLETION:

Where possible all tests shall be carried out before shipment should however, if become necessary for the final tests as to performance and guarantees to be held over until the plant is erected at site, they shall be carried out in the presence of the contractor's representative within such time as may be considered reasonable by the purchaser. If equipment fails to meet guarantees, the contractor shall make necessary changes and corrections and assure full responsibility and take necessary steps to ensure compliance by the equipment of the prescribed guarantees within two (2) months from the date of notification or within such reasonable time as may be decided by the purchaser. If however the defect is of the contractor, he shall repay to the purchaser all reasonable expenses which he may put by such retests over and above the rejection of defective plant as stated hereunder.

1.36 REJECTION OF DEFECTIVE PLANT:

- 1.36.1 If the complete plant or any portion thereof, before it is taken over is found defective or fails to fulfill the requirements of the contract, the Engineer shall give the contractor, the particulars of such defects or failure and the contractor shall forthwith make the defective plant good or after the same, make it comply with the requirements of the contract. Should he fail to do so within a reasonable time, purchaser may reject and replace at the cost of the contractor, the whole or any portion of the plant, as the case may be, which is defective or fail to fulfill the requirement of the contract. Such replacement shall be carried out by the purchaser within a reasonable time and at a reasonable price and where reasonably possible to the same specification and under competitive conditions. In case of such replacement by the purchaser, the contractor shall be liable to pay to the purchaser, the extra cost if any of such replacement delivered and / or erected as provided for the original contract, such extra cost being the ascertained difference between the price paid by purchaser under the provisions above mentioned, for such replacement and the contract price for the plant so replaced and also to repay the sum paid by the purchaser to the contractor in respect of such defective plant. The purchaser shall have the right to operate any and all equipment as soon as and as long as it is in operating conditions, whether or not such equipment has been accepted and complete and satisfactory, except that this shall not be constructed to permit operation of any equipment which may become damaged by such operation before any required alterations or repairs have been made. All repair and alterations required of the contract shall be made by the contractor at such times as directed and in such manner as will cause the minimum interruption in the use of the equipment by the purchaser. If the contractor does not so, replace the rejected plant within a reasonable time the contractor's full and extreme liability under this clause will be satisfied by the repayment of all money paid by the purchaser to him in respect of such plant.
- 1.36.2 In the event of such rejection the purchaser shall be entitled to the use of the plant in a reasonable and proper manner for a time reasonably sufficient to enable him to obtain other replacement plant. During the period the rejected plant is used commercially, the contractor shall not be entitled to a sum as payment of such use.
- 1.36.3 Nothing in this clause shall be deemed to deprive the purchaser for or affect any rights under the contract which he may otherwise have in respect of such defects of deficiencies or in any way relieve the contractor from his obligation under the contract.

1.37 LATENT DEFECTS:

- 1.37.1 Any equipment or part thereof that develop defects not disclosed prior to the final acceptance by the purchaser or they are in service upto stipulated guarantee period, shall be promptly replaced by the supplier free of charge and all expenses, transportation and other incidental charges for such replacement shall be borne by the supplier.

1.38 TAKING OVER:

- 1.38.1 Where the specification calls for performance tests before shipment and which have been successfully carried out, the plant shall be accepted and taken over when it has been satisfactorily put into operation on site or within one (1) month of its being ready to be put into operation whichever shall be earlier and the Engineer shall forthwith issue a taking over certificate.
- 1.38.2 In the event of final, any outstanding tests being held over until the plant is erected, such taking over certificate shall be issued subject to the results of such final or outstanding tests to be carried out in accordance with clause 1.35.

- 1.38.3 When the specification calls for tests on site, the plant shall be taken over and the taking over certificate is issued immediately after such tests have been satisfactorily carried out.
- 1.38.4 If for any reason other than the default of the contractor such last mentioned tests on site are not carried out within one (1) month of notice by the contractor to the purchaser, of the plant being ready for test, the plant shall be deemed to have been taken over as on the last day of such period and payments due to the contractor on taking over shall be made, but nevertheless, the contractor shall if called upon to do so by the purchaser, at the purchaser's expense make the said tests during the maintenance period and accept as aforesaid under the same obligation as specified in clause 1.35.
- 1.38.5 The Engineer shall not delay the issue of any taking over certificate contemplated by this clause on account of minor deficiencies of material or defects in the plant which do not materially effect the commercially safe and efficient use thereof, provided that the contractor shall undertake to make good the same in due course.
- 1.38.6 Such certificate, however, shall be deemed to be on account and shall in no way release the contractor from his liabilities and responsibilities in respect of such plant including the satisfactory performance of the test on completion.

1.39 LIABILITY FOR ACCIDENTS AND DAMAGES:

- 1.39.1 The contractor shall be responsible for loss, damage or depreciation of the plant until the same is taken over under clause 1.38 or is deemed under that clause to have been taken over provided always that the contractor shall not be responsible for any such loss, damage and depreciation occurring during such period that the plant is operated by the purchaser's staff prior to being taken over in accordance with clause 1.38.
- 1.39.2 Until the plant is taken over or is deemed to have been taken over as aforesaid, the contractor shall also be liable for and shall indemnify the purchaser in respect of all injury to person or damage to property resulting from the negligence of the contractor or his workman or sub-contractor or from defective design or work but not from any other cause.
- 1.39.3 Provided that the contractor shall not be liable for any loss of contract or any other claim made against the purchaser not already provided for in the contract, not for any injury or damage caused by or arising from the acts of the purchaser or of any other person due to circumstances over which the contractor has no control, he shall bear his total liability for loss, damage or injury under this clause exceed the total value of the contract.
- 1.39.4 The contractor will indemnify and save the purchaser harmless against all actions, suits, claims, demands, costs or expenses arising in connection with injuries (other than such as may be attributable to the purchaser or his employees) suffered prior to the date when the plant shall have been taken over under clause 1.38 hereof by person employed by the contractor or his sub-contractor on the work, whether at common law or under the Workmen's Compensation Act, 1923, or any other statute in force at the date of contract relating to the question of liability of employees for injuries suffered by employees and will if called upon to do so take out the necessary policy or policies of insurance to cover such indemnity.

1.40 MAINTENANCE AND GUARANTEE:

- 1.40.1 Whether or not the equipment has been installed under his supervision, the contractor shall give the following guarantees in respect of the equipment to be furnished by him:-
- (a) All equipment shall be free from any defect due to faulty design, material and/or workmanship;
 - (b) The equipment shall operate satisfactorily and reliably and the performance and efficiency of the equipment shall not be less than the respective guarantee values.
- 1.40.2 The contractor/supplier shall guarantee among other things the following:
- (i) Quality and strength of the material(s) used together with workmanship and finish corresponding to the most modern practice(s).
 - (ii) Safe electrical and mechanical stresses on all parts of the equipment under all specified conditions.
 - (iii) Performance figures in respect of guaranteed technical particulars as finally agreed upon.
 - (iv) Satisfactory performance of material/equipment during the guarantee period.

Should the factory test(s) carried out at site arranged by the purchaser in exercising his option under clause No.1.27.12 on the material/ equipment/plant or part thereof for its/their operation under service conditions for a period of guarantee as specified, show that the material/plant/equipment does not meet these guarantees as aforesaid, it shall be optional for the purchaser to reject the material/plant(s)/equipment or part thereof and direct the supplier to at once rectify/replace the material/plant/equipment so rejected so as to make it meet the guarantee of equipment, to the satisfaction of the purchaser. All expenses in this connection shall be borne by the supplier.

The replacement/rectification carried out in accordance with clause No. 1.32 (4 to 6),

The performance period for the items indicated below shall be considered as indicated against each.

- i) Transformer (including station Transformer) and Control & Relay Panels:
36 months from the date of supply of last consignment or 30 months from the date of commissioning whichever is earlier.
- ii) Capacitor Banks, Battery set: 60 months from the date of receipt of consignment at site.
- iii) Battery charger, LT Panel, DC control & distribution board: 24 months from the date of supply of last consignment.
- iv) Testing and measuring Instruments-24 months from the date of supply.
- v) Other Items: 18 months from the date of supply of last consignment or 12 months from the date of commissioning whichever is earlier unless otherwise specified

1.41 MODE OF GUARANTEE:

1.41.1 In order to ensure compliance of the provisions contained in clause No.1.40 the contractor shall be required to furnish the following:-

(a) A manufacturer warrantee on the Rajasthan State Non-Judicial Stamp Paper for the value as required under the Rajasthan Stamp duty Act in the proforma prescribed. Such warrantee shall be attested either by a First Class Magistrate or by Notary Public.

(b) A performance security for an amount equivalent to the 5% (in case of established suppliers)/ 1% (In case of Micro, Small and Medium Scale Industries of Rajasthan)/ 2% (in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR))/ 10% (in case of others) of the contract value as the case may be with validity for a period of 60 (sixty) days beyond the guarantee period, specified in clause No.1.40.2 above, the date of completion of all contractual obligations of the bidder including warranty obligations and defect liability period. However, the contractor may adopt the option, after approval of purchaser, to withheld required amount in lieu of performance security from each bill on pro-rata / proportionate basis.

The Departments/Boards of the State Government or central Government; Government Companies as defined in clause (45) of section 2 of the Companies Act, 2013; Company owned or controlled, directly or indirectly, by the Central Government, or partly by the Central Government and partly by one or more State Governments which is subject to audit by the Auditor appointed by the Comptroller and Auditor General of India under sub-section (5) or (7) of section 139 of the Companies Act, 2013; or Autonomous bodies, Registered Societies, Cooperative Societies, Cooperative Societies which are owned or controlled or managed by the State Government or Central Government are exempted from furnishing of performance security, however they are required to furnish performance security declaration. In case of Micro, Small and Medium Scale Industries of Rajasthan the amount of performance security shall be 1 (one) percent, of the amount of quantity ordered for supply of goods and in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR), it shall be 2(two) percent of the amount of supply order. The Micro, Small and Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self-attested documentary evidence to claim the above.

1.41.2 Performance security shall be furnished in any one of the following forms-

- (a) Bank Draft or Banker's Cheque of a scheduled bank payable in the name of Accounts Officer (P&C-I), RVPN Ltd., Jaipur payable at Jaipur;
- (b) National Savings Certificates and any other script/instrument under National Savings Schemes. They shall be accepted at their surrender value at the time of bid and formally transferred in the name of Accounts Officer (P&C-I), RVPN Ltd., Jaipur with the approval of Head Post Master;
- (c) Bank guarantee/s in prescribed proforma of any scheduled bank in India on the Rajasthan State Non-Judicial Stamp Paper for the value as required under the Rajasthan Stamp duty Act, duly authenticated by a 1st Class Magistrate or Notary Public or directly confirmed by the issuing banker along with a certificate with regard to stamp duty, shall be furnished
- (d) Fixed Deposit Receipt (FDR) of a scheduled bank. It shall be in the name of Accounts Officer (P&C-I), RVPN Ltd., Jaipur and discharged by the bidder in advance. The Fixed Deposit Receipt shall be accepted after ensuring that the bidder has furnished an undertaking from the bank to make payment/premature payment of the Fixed Deposit Receipt on demand to the Accounts Officer (P&C-I), RVPN Ltd., Jaipur without requirement of consent of the bidder concerned.

In the event of forfeiture of the performance security, the Fixed Deposit shall be forfeited along with interest earned on such Fixed Deposit.

1.41.3 The supplier shall have to extend the validity period of the bank guarantee if required on intimation from the purchaser. Such bank guarantee should remain valid upto the last day of the calendar month and be furnished in whole rupees.

1.41.4 If for rectification or replacement of any part of equipment for work due to defective materials, manufacturer or design, the service of the contractor's personnel are requisitioned within the guarantee period, these services shall be made available free of any cost to purchaser.

1.41.5.1 If it becomes necessary for the contractor to replace or renew any defective parts of the plant under this clause, the provision of this clause shall apply to the parts of the plant so replaced or renewed until the confirmation of six (6) months from the date of such replacement or renewal or until the end of the guarantee period, specified in clause No.1.40.2 above, whichever may be later. If any defect is not remedied within a reasonable time, the purchaser may proceed to do the work at the contractor's risk and expenses, but without prejudice to any other right which the purchaser may have against the contractor in respect of such defects.

1.41.5.2 In case of Transformer (including Station Transformer) and Control Relay panels:

- (a) If it becomes necessary for the contractor to replace or renew any defective parts of the plant/equipment under this clause, the provision of this clause shall apply to the parts of the plant/equipment so replaced or renewed until the confirmation of six (6) months from the date of such replacement or renewal or until the end of the above mentioned period of thirty (30) months after commissioning whichever may be later.
- (b) If it becomes necessary for the contractor to replace or renew of the failed plant/equipment under this clause the provision of this clause shall apply to the plant/equipment so replaced or renewed until the confirmation of eighteen (18) months from the date of such replacement or renewal or until the end of the above mentioned period of thirty (30) months after commissioning whichever may be later.

1.41.6 If the replacement or renewal are of such character as may affect the efficiency of the plant, the purchaser shall have the right to give to the contractor within one (1) month of such replacement or renewal, notice in writing that "tests on completion" be made in which case such tests shall be carried out as provided in clause 1.34 and 1.35 hereof the cost of the tests payable by either parties shall be mutually decided and the decision of the Chief Engineer (Proc.) shall be final and binding.

1.41.7 All replacement or renewals to be carried out by the contractor during the maintenance period shall be subject to such clause of these general conditions as may be considered reasonable by the Engineer.

1.41.8 Until the final certificate has been issued, the contractor shall have the right to entry at his own risk and expense by himself or his duly authorized representative whose name shall have previously been communicated in writing to the Engineer at all reasonable working hours upon necessary parts of the works for the purpose of inspecting the working and the records of the plant and taking notice there

from any if he desires at his own expense making any tests, subject to the approval of the Engineer, that will not be unreasonably withheld.

- 1.41.9 The issue of Engineer's certificate referred to in clause 1.27.7 shall in no way exempt the contractor from the provisions of this clause.
- 1.41.10 At the end of the maintenance and guarantee period, the contractor's liability ceases. In respect of goods not covered by the first sentence of this clause, the purchaser shall be entitled to the benefit of any guarantee given to the contractor by the original supplier of manufacturer of such goods.
- 1.41.11 The contractor shall indemnify the purchaser against any infringement of patent rights.
- 1.41.12 If the supplier fails or neglect to observe or perform any of his obligation under the contract, it will be lawful for the purchaser to forfeit either in whole or in part in his absolute discretion the performance security furnished by the supplier.

1.42 PRICES AND TERMS OF PAYMENT:

- 1.42.1 The prices shall be quoted for supply and delivery of the stores/plant FOR destination. The prices shall be quoted in Indian Currency "Rupees only" on variable/firm basis.
- 1.42.2 In case of price variation clause quoted by the bidders the basic prices for materials and labour, and the alterations in the prices due to change in the price of basic material and labour shall be clearly stated in the bid. The bidder shall also state the official authority for the basis of raw materials and labour given in the bid and any alteration in the basic price should be based on such official authority's publication.
- 1.42.3 The price shall be quoted for plants of Indian manufacturer only, however if due to unavoidable reasons some imported components are required, the contractor/supplier shall indicate the foreign currency required for import of the components with CIF value, rate of customs duty and exchange.
- 1.42.4 The contractor/supplier shall be entitled to receive payment for imported materials at the exchange rate prescribed by Government of India at the time of bid.
- 1.42.5 Bill shall be presented by contractor/supplier for each item of work separately as per schedule of prices. Subject to any deduction which the purchaser may be authorised to make in accordance with the terms of the contract, the contractor shall on presentation of bills and the certificate of the Engineer, be entitled to payment generally as follows :
- (i) 95% payment of the cost of each consignment in case of established suppliers, 99% payment of the cost of each consignment in case of Micro, Small and Medium Scale Industries of Rajasthan, 98% payment in case of sick industries other than Small Scale Industries whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) and 90% payment in case of others plus 100% taxes & duties, if payable extra, shall be made against receipted challans through Bank or directly.
 - (ii) The balance payment (5% / 1% / 2% / 10% as the case may be) after ascertaining satisfactory performance of the material/equipment for the guarantee period specified in clause No.1.40.2 above, subject to completion of the contractual formalities incorporated in the purchase order and after effecting recovery of all dues from the firm/contractor under the contract.
 - (iii) In case there is reason to believe that the suitability of supplies of stores can be determined by inspection of material after receipt of the same by the consignee without waiting for performance, the last balance payment (5% / 1% / 2% / 10% as the case may be) may be considered to be released after expiry of 30 days from receipt of material by consignee subject to completion of other contractual formalities. etc.
 - (iv) In case the condition of the successful bidder for furnishing a performance security from a nationalized /scheduled bank has been accepted by the competent authority/ committee, incorporation of furnishing performance security to the extent of 5% / 1% / 2% / 10% as the case may be of the contract value in the proforma as prescribed by the purchaser shall be made and in that case the balance 5% / 1% / 2% /10% payment can be considered for release earlier on completion of other contractual obligations/ formalities incorporated in the purchase order.
- 1.42.6 The Bank commission charges, if any, shall be borne by the supplier.
- 1.42.7 In the event, if the request of the successful bidder for releasing 100% value of the equipment with full amount of taxes/duties etc. against presentation of receipted challans/RR/Goods/ transport receipt of Bank approved transporters through Bank or directly is accepted by the competent Purchase

Authority/Committee, subject to furnishing of performance security in prescribed proforma for a value agreed to between the purchaser and the supplier, the terms of payment clause in the purchase order shall be incorporated accordingly.

1.42.8 Suitable provisions in the purchase order shall also be incorporated for the following:-

- (a) In the event of consignment/material for which advance payment has been made is found defective/damaged/not according to prescribed specification if any, the balance payment will be withheld until the defective material has been replaced or advance payment in respect thereof recovered in full.
- (b) In case any damage, shortage etc. are noticed on receipt of material by the consignee, claims shall be lodged by the consignee(s) with the supplier under intimation to the purchaser and the payments due or the bank guarantees shall not be released till the claims are satisfactorily settled by the supplier.
- (c) As the performance security is to remain valid for the entire currency of the contract including the currency of the contract guarantee period, the supplier should be asked to get validity of the Bank Guarantee suitably extended for the amount so as to safeguard the Nigam interest to cover any extension in the delivery period or warranty period agreed upon by purchasing authority/committee or where any claim of the Nigam against him is still pending, it shall be responsibility of the concerned purchasing officer to ensure that the Bank Guarantee is got extended in time where any officer has been made responsible for the work of Bank Guarantees, it would be the responsibility of the concerned officer to ensure that the Bank Guarantee is got extended in time wherever warranted by circumstances.
- (d) In case of defects/damages etc. are noticed at any time including the guarantee period, claims shall be lodged with the supplier to make good the defects/damages or replace the material within the reasonable period preferably not exceeding 45 days from the date of notification of defect to the supplier. The supplier failing to do so, the damages/defects may be got rectified by the Nigam and the cost be adjusted from the supplier's pending dues and/ or security deposit against this or any other contract in force and the balance if any, be made good by the supplier.

Alternatively, the Nigam may dispose of the damaged/defective material and set off the sale proceeds against its claim against the supplier.

1.42.9 MODE OF PAYMENT:

The invoices shall be correctly prepared in quadruplicate in the name of consignee(s) and shall be submitted as under:-

- (i) The invoices/ challans (PV Bills after approval PV from the purchaser) shall be correctly prepared in six copies in the name of consignee and shall be submitted to the consignee, after uploading on RVPN's Vendor Bill Tracking ("VBT") Portal, who will verify all the copies of invoices/ challans in token of acceptance of material in good condition and as per the specification. The consignee will retain one copy and endorse one copy each to Supplier, Procurement Wing and Circle Accounts Officer. Remaining two copies of receipted challans& invoices (including original challan/ bill) will be forwarded to the Sr. Accounts Officer (CPC), RVPN, Jaipur for arranging the payment to the Supplier.
- (ii) In case documents are to be sent through bank, the supplier shall be required to send the proforma invoice(s) for each consignment to the concerned Accounts Officer at least 7 days in advance of the date of the booking to enable him to arrange necessary funds.
- (iii) Following documents shall be submitted along with the invoice(s)/ proforma invoice(s).
 - (a) GST certificate as per Clause 1.33.4.
 - (b) A certificate regarding inspection in the following proforma:
Certified that the material/equipment covered by the proforma invoice have been inspected and cleared for dispatch by the authorized representative of the purchaser (Inspector's clearance report be enclosed). The inspections for such items have been specifically waived by the purchaser Vide letter No. _____ dated _____.
 - (c) A certificate/undertaking to the effect that proof of GST (IGST/CGST & SGST) at actual has been claimed and other relevant documents for reimbursement of charges paid by the supplier on behalf of the purchaser, have been enclosed with the original invoice.

- (d) Intimation about the dispatch of material/ equipment shall be given to the consignee(s) and the concerned Accounts Officer.
- (iv) The supplier shall intimate to the bank to convey the details of the consignment(s) to the concerned Accounts Officer.
- (v) Unless otherwise mutually agreed upon, the R.R., shall be drawn in the name of the consignee(s) and shall be dispatched immediately. Any demurrage/ wharfage charges leviable consequent upon failure of the supplier to adhere to any of the specified stipulation/procedure shall be to his account.
- (vi) In case of purchase cases for the supply of 220 kV/132 kV Towers
“For the purpose of payment the supply of tower material shall be regulated in the following sequence:
 - i) Complete footing(stub and stub cleats)
 - ii) Complete super structures including extension & accessories.

The Sr. Accounts Officer (CPC), shall make the payment of the consignments consisting of footing/complete super structures/combination of (i) or (ii) on receipt of physically verified challans along with a certificate of receipt of material in the form of completed towers from the consignee. The unloading & stacking of the tower material at the consignee's store will be arranged by the supplier at his cost and a certificate to this effect will be attached by the supplier along with the invoice indicating details of R/R(s)/GTR(s), Challan /invoice(s), if any, which constitutes to the completion of the quantity of the structures classified above.

- 1.42.10 The payment of material supplied shall be made by the Sr. Accounts Officer (CPC), RVPN, Jaipur and copy of Bill along with all required documents shall be sent to him.
- a. For claiming 100% payment , completion of following formalities are essential:
 - i) Execution of contract Agreement.
 - ii) Inspection Clearance.
 - iii) Dispatch Instructions.
 - iv) Acceptance of Performance Security.
 - vi) Furnishing of Manufacturer’s Warranty on non judicial stamp paper as per clause No. 1.41 of General Conditions of Contract.
 - vii) Proof of Insurance as per clause No. 1.32 of General Conditions of Contract.
 - viii) All the payment shall be made to the supplier/contractor through RTGS/NEFT/RPP for quick and safe transfer of funds across the country. The charges for transfer through RTGS/NEFT/RPP shall be on the part of the supplier/contractor. In order to make the payment through RTGS/NEFT/RPP Supplier shall furnish particulars to the Sr. Account Officer (CPC), RVPN, Jaipur in prescribed format.
 - b. If the firm supplying material to the purchaser or executing any works, obtain finance from the bank by way of discounting of the bills, in such cases purchaser shall not at all be responsible for arranging the payments to bank nor shall bear any liability towards the bank in such cases. This is to safeguard interest of the RVPN against the firms/ supplier taking advantage of bank finance.
 - c. The 10% payment against the supply of quantities included in the lastlot as per contractual delivery schedule be made after furnishing of the complete claim for price variation along with relevant documents by the firms & cleared by the purchaser.
 - d. For price variation claim the necessary calculations and authenticated documentary evidence/ proof based on IEEMA circular(s) in support of claim shall be submitted to Purchaser for his approval. On approval of such price variation calculations the claim shall be submitted to the paying authority either separately for payment or along with despatch documents as the case may be as per applicable procedure for bill submission at that time.

1.43 DUE DATES OF PAYMENT:

The Payment shall be made by the payment authority as per prevailing payment policy of RVPN after receipt of the complete documents and completion of all contractual formalities as per requirement of the purchase / work order, however no interest on delayed payment shall be payable and such delay will not entitle supplier / contractor for any compensation or extension in time.

1.44 DEDUCTION FROM CONTRACT PRICE:

All costs, damages or expenses which the purchaser may have paid under the contract, for which the contractor is liable, may be deducted by the purchaser from any money due or becoming due by him to the contractor under this or any other contract or may be recovered by suit or otherwise from the contractor. Any sum of money due and payable to the contractor (including security deposit returnable to him) under this contract may be appropriated by the purchaser and set off against any claim of the purchaser for the payment of a sum of money arising out of or under any other contract made by the contractor with the purchaser.

- 1.44.1 The supplier shall be required to deposit the amount of recoveries finalized within a period of 30 days of receipt of intimation failing which the dues shall be recovered from the financial hold of the supplier available with the Nigam. In case, where the amount of recoveries against a firm or supplier exceed its financial hold, the Nigam will be at liberty to effect such recoveries out of the financial hold/ pending payments of the supplier available with other successor Companies of erstwhile RSEB.

1.45 CERTIFICATES OF ENGINEER AND CERTIFICATE NOT TO EFFECT THE RIGHTS OF THE PURCHASER OR THE CONTRACTOR:

- 1.45.1 Every application to the Engineer for a certificate must be accompanied by a detailed invoice (in quadruplicate) setting forth in the order of schedule of prices, particulars of the work executed and of the plant supplied and or plant ready for dispatch to the date of claim and the certificates as to such plant and work as in the reasonable opinion of the Engineer in accordance with the contract shall ordinarily be issued within 13 days if possible or (for other than the first payment) within such time of the application for the same as is reasonably necessary for communication with the site.
- 1.45.2 The Engineer may make any correction or modification in any previous certificate which may have been issued by him and payment will be regulated and adjusted accordingly.
- (i) No certificate of the Engineer on account of any sum paid on account by the purchaser nor any extension of time granted under clause 1.22 shall effect or prejudice the rights of the purchaser against the contractor either under this agreement or under the law or relieve the contractor of his obligation for the due performance of the contract or be interpreted as approval of the work done or of the material supplied.
 - (ii) No certificate of the Engineer shall create a liability for the purchaser to pay for any alteration, amendments, variation or additional work not ordered in writing by the Engineer or absolve the contractor of his liability for the payment of damaged whether due, ascertained or certified or any sum against the payment of which he is bound to indemnify the purchaser neither shall any such certificate nor the acceptance by him of any sum paid on account or otherwise effect or prejudice the rights of the contractor against the purchaser under the agreement under the law.

1.46 SUB LETTING OF CONTRACT:

The contractor shall not, without the consent in writing of purchaser, which shall not be unreasonably withheld, assign or sublet this contract or any substantial part thereof or entrust therein or benefit or advantage whatsoever other than for raw materials for minor detail or for any part of the work of which the makers are named in the contract provided that any such consent shall not relieve the contractor from any obligation, duty or responsibility under the contract.

1.47 CORRESPONDANCE :

- 1.47.1 The purchaser/engineer/consulting engineer shall ordinarily correspond with the bidder/contractor at the address furnished by the bidder/contractor. The bidder/contractor shall ordinarily address all correspondence intended for the purchase to the purchaser or representative who has invited bid at the address given in the bid notice.
- 1.47.2 All correspondence shall be furnished in duplicate and copies of all the correspondence shall also be endorsed in duplicate to the consulting engineer.

- 1.47.3 All correspondence pertaining to the purchase order in respect of any clarification required on the terms and conditions, dispatch instructions, contract drawing, test certificates, etc should be addressed to the purchaser.

1.48 CO-OPERATION WITH OTHER MANUFACTURERS AND CONSULTING ENGINEER:

- 1.48.1 The contractor shall fully co-operate with the purchaser's other contractors for associated plant and freely exchange all technical information with them to obtain the efficient and economical design to avoid unnecessary duplication of work or equivalent. No remuneration shall be payable by the purchaser for such technical co-operation.
- 1.48.2 The contractor shall also fully co-operate and carry out all reasonable direction of the purchaser's consulting engineer in technical matters but Nigam's engineer's decision shall be final. No remuneration shall be payable by the purchaser for such technical co-operation.
- 1.48.3 The contractor shall forward to the Engineer two (2) copies of all correspondence and drawings so exchanged with other contractors and the consulting Engineer for coordinating properly. The Engineer and the consulting Engineer shall be provided with two (2) copies each of all correspondence with other contractors.
- 1.48.4 If any part of the contractor's work depends for proper execution on the work of any other contractor, the contractor shall inspect and promptly report in writing to the Engineer any defects in such work that render it unsuitable for such proper execution and result. His failure to do so shall constitute an acceptance of other contractor's work as fit and proper for the execution of his work, except as to defects which may develop in the other contractor's work after the proper execution of his work.

1.49 ENGINEER'S DECISION:

- 1.49.1 In respect of all matters which are left to the decision of the Engineer or consulting Engineer as the case may be including the granting or withholding of certificates, the Engineer shall give in writing a decision thereon.
- 1.49.2 If the contractor neglects to execute the work with due diligence and expedition or refuses or neglects to comply with any reasonable orders given to him in writing by the Engineer in connection with the work or contravene the provisions of contract, the purchaser may give notice in writing to the contractor calling upon him to make good the failure or neglect/ contravention complained of.
- 1.49.3 Should the contractor fail to comply with such notice within a period considered reasonable by the purchaser from the date of service thereof, in the case of being made

good within the time otherwise within such time as may in the opinion of the purchaser be reasonably necessary for making it good, then and in such case the purchaser shall have the option and be at liberty to complete the work envisaged in the contract either by himself or his agents or may re-contract at reasonable price with any other person or persons to execute the same or any part thereof and provide any other materials, tools tackle or labour for the purpose of completing the works or any part thereof.

In such event the purchaser shall without being unreasonable to the contractor, for fair wear and tear of the same be entitled to exercise and take possession and have free use of all materials, tackle or other things which may be on site for use at any time in connection with the work to the exclusion or any right of the contractor over the same. The purchaser shall be entitled to retain and apply and balance sum which may otherwise be then due on the contract by him to the contractor such part thereof as may be necessary to the payment of the cost of execution of such work aforesaid.

1.49.4 If the cost of executing the work as aforesaid exceeds the balance due to the contractor and contractor fails to make good the defects, the said materials, tools, tackles, construction plant or other things, the property of the contractor as may not have been used up in the completion of works may be sold by the purchaser and proceeds applied towards the payment of such difference and the cost incidental to such sale. Any outstanding balance existing after crediting the proceeds of such sale shall be indicated as balance against the contractor on the certificate of the engineer but when all expenses costs and charges incurred in the completion of the work are paid by the contractor, all such

materials, tools, tackles, constructions plant or other things not used up in the completion of the works and remaining unsold shall be removed by the contractors. If the proceeds of the above sale of the contractors materials, tools, tackles, construction plant etc. are insufficient to cover the cost of executing the aforesaid work, the balance remaining after crediting the proceeds of such sale shall be recoverable from the contractor by the action of law or operating bank guarantees furnished or security deposits available with the purchaser.

1.50 DEATH, BANKRUPTCY ETC.:

1.50.1 If the contractor dies or dissolve or commit any act of bankruptcy or being a corporation commences to be wound up except for reconstruction purpose or carry on his business under a receiver, the executors, successors or other representatives in law of the state of the contractor or any such receiver, liquidator or any person to whom the contract may become vested shall forthwith give notice thereof in writing to the purchaser and shall for one (1) month during which he shall take all reasonable steps to prevent stoppage of the work have the option of carrying out the contract subject to his or their providing such guarantee as may be required by the purchaser but not exceeding the value of the work for the time being remaining relieve unexecuted provided however that nothing above said shall be deemed to relieve the contractor or his successors of his or their obligations under the contract under any circumstances. In the event of stoppage of the work the period of the option under this clause shall be fourteen (14) days only. Provided that, should the above option be not exercised, the contract may be terminated by the purchaser by notice in writing to the contractor and the same power and provisions reserved to the purchaser in clause 1.4 in the event of taking the work out of the contractor's hands shall immediately become operative.

1.50.2 Change of name of the bidder/supplier at any stage after bidding it to the purchaser, shall deal with the purchaser only in the name and at the address under which he has submitted the bid. All the liabilities/responsibilities for due execution of the contract shall be of the contractor and in no circumstances he shall be relieved of any obligation under the contract. The purchaser may, however at his discretion deal with Agents/Representatives/ Distributors/ Manufacturers/ Associates Principals/Sister Concerns and such dealing shall not absolve the supplier(s) from his responsibilities/obligations/ liabilities to the purchaser under the contract. Any change/alteration of name/constitution/ organization of the supplier shall be duly notified to the purchaser and the purchaser reserves the right to determine the contract in case of any such notification in the event of such determination the purchaser may effect the purchase of the material not supplied from elsewhere at the risk and cost of the bidder/supplier.

1.51 BRIBES/COMMISSION ETC:

Any bribes, commission, gift or advantage given, promised or offered by or on behalf of the contractor or his partners agent or servant or anyone on his or on their behalf to any officer, servant, representative or agents of the purchaser or any person on his or their behalf, in relation to the obtaining or to the execution of this or any other contract with the purchaser shall in addition to any criminal liability which he may incur, subject the contractor to the cancellation of this and all other contracts and also to payment of any loss or damages resulting from any such cancellation. The purchaser shall then be entitled to deduct the amounts so payable from any money otherwise due to the contractor under this or any other contract, any question or dispute as to the commitment of any offence under the present clause shall think fit and sufficient and his decision shall be final and conclusive.

1.52 NOTICE TO CONTRACTOR:

Any notice to the contractor, may if the purchaser thinks it fit, be given by registered post to the registered office/site office of the contractor. Such postings shall be deemed good service of such notice and the time mentioned in the conditions for doing any act after notice shall be reckoned from the date on which such notice should reach the contractor in normal course.

1.53 SUPERVISION OF ERECTION OF EQUIPMENT BY THE CONTRACTOR:

All the work shall be carried out under the direction and to the satisfaction of the Engineer. The purchaser shall have the option to direct the contractor to undertake supervision of erections of equipment, in which case he shall pay to the contractor such sums of money as may be provided under the contract. The contractor shall then be entirely responsible for satisfactory erection, testing, commissioning and maintenance of the plant, notwithstanding that he may have been assisted by the Engineer in setting out of the same.

1.54 AFTER SALES SERVICES:

The equipment supplied against this order shall be attended to by contractor when referred to by the purchaser at contractor's expense within the guarantee period.

1.55 BREAK CLAUSE:

1.55.1 The purchaser shall in addition to his power under other clause to determine this contract, have power to terminate his liability there under at any time by giving three (3) months (or such shorter period as may be mutually agreed notice in writing to the contractor if purchaser's desire to do so upon the expiration of the notice, the contract shall be determined without prejudice to the rights of the parties accrued to the date of determination but subject to the operation of the following provisions of this clause.

1.55.2 In the event of such notice being given, the purchaser shall be entitled to exercise as soon as may be reasonably practicable within that period the following power or any of them :-

(a) To direct the contractor to complete in accordance with the contract all or any articles, parts of such articles or components in course of manufacture at the expiration of the notice and to deliver the same at such rate of delivery as may be mutually agreed on or in default of agreement at the contract rate. All articles delivered by the contractor in accordance with such directions and accepted shall be paid for at a fair and reasonable price assessed on the basis of the contract price when it exists.

(b) To require the contractor on the receipt of the notice of termination:-

(i) Immediately to take such steps as will ensure that the production rate of the articles specified in the schedule and parts thereof is reduced as rapidly as possible.

(ii) As far as possible consistent with (i) above to concentrate work on the completion of parts already in a partly manufactured state.

(iii) To terminate on the best possible terms, such order for material and parts brought out in a partly manufactured state of wholly manufactured state as have not been completed, observing in this connection any direction given under paragraph (a) and (b) (i) and (ii) above as far as this may be possible.

1.55.3 In the event of such notice being given, provided the contractor has reasonably performed all the provisions of the contract binding upon him down to the date of the notice.

(a) The purchaser may take over from the contractor at a fair and reasonable prices (assessed on the basis of the contract price) of the completed articles all unused, undamaged and acceptable materials, bought-out components and articles in course of manufacture in the possession of the contractor at the expiration of the notice and properly provided by or supplied to the contractor for the performance of the contract except such material, bought out components and articles which the purchaser may refuse to take over shall be taken over by the contractor. Provided that in case the materials/components are supplied to the contractor through the intervention of the purchaser or on his behalf:-

The said fair and reasonable price shall be assessed on the basis of cost price of such materials and or components.

If the contractor elects to retain any materials, bought out components and articles as in this clause provided, he shall settle all claims of supplier in respect of the material and/or components supplied to him as aforesaid including any claims to any extra charge and shall keep the purchaser indemnified against the same.

(b) The contractor shall deliver in accordance with the direction of the purchaser all such unused, undamaged and acceptable materials, bought out components and articles in course of manufacture (except as aforesaid) taken over by or previously belonging to the purchaser and the purchaser shall pay to the contractor fair and reasonable handling and delivery charges thereof.

(c) The purchaser shall indemnify the contractor against any commitments, liabilities or expenditure which in the opinion of the purchaser are reasonable and properly chargeable by the contractor in connection with the contract to the extent to which the purchaser is satisfied that such commitments, liabilities or expenditure would otherwise represent an unavoidable loss by the contractor by reason of the termination of the contract.

(d) Provided that in the event the contractor not having observed any direction given to him under sub-clause (ii) hereof, the purchaser shall not be liable under this sub-clause pay any sum in excess of those for which the purchaser would have been liable and the contractor observed that direction.

1.55.4 If in any particular case, exceptional hardship arises to the contractor from the operation of this clause, it shall be open to the contractor to refer the circumstances to the Engineer who on being satisfied that such hardship exists shall make such allowance if any as in his opinion is reasonable.

1.55.5 The purchaser shall not in any case be liable to pay under the provisions of this clause or any sub clause which when taken together with any sums paid or due or becoming due to the contractor under this contract shall exceed the total prices of the articles specified in the schedule payable under the contract.

1.55.6 The contractor shall in any substantial order or sub-contract placed or made by him in connection with or for the purposes of this contract take power wherever possible by securing the acceptance of the sub-contractor to terminate such substantial or sub-contract in the event of the termination of this contract by the purchaser of this clause upon the terms of the forgoing sub clause of this clause and save only that:-

(a) The name of the contractor shall be substituted for the purchase, throughout except in sub-clause 3 (c) where it occurs for the second and third times.

(b) The period of the notice of termination shall be two (2) months or such shorter period as may be mutually agreed upon.

1.55.7 Substantial orders or sublet contracts shall in this context mean orders or sublet contracts of or over Rs. 25,000 (Rupees Twenty Five Thousand only) in value.

1.56 JURISDICTION OF COURT TO DEAL WITH DISPUTES:

1.56.1 The contract shall be governed by the laws of India for the time being in force and be subject to the court of competent jurisdiction at Jaipur (Rajasthan) India. All disputes, differences, questions whatsoever arising between the purchaser and contractor upon or in relation to or in connection with the contracts shall be deemed to have arisen at Jaipur only and no court other than courts at Jaipur (Rajasthan) shall have jurisdiction to entertain or try the same.

1.56.2 A settlement committee has been constituted by the Nigam to settle the old disputed purchase cases where the firm(s) do not agree with the Nigam's viewpoint and have given their representations.

The settlement committee will be empowered to decide all old disputed cases. The committee is also authorized to settle such cases which are either sub-judice or under reference to arbitrator(s), in case firm make formal request in this regard. In case of disagreement amongst committee members, the case with full details shall be put-up before Chairman & Managing Director for decision.

1.56.3 The RVPN has constituted the centralized standing committee for settlement of disputed claims under conditions of contract relating to RVPN.

The committee shall consider all cases for settlement of disputed claims relating to purchases, works, turnkey contracts and labour contracts, civil works etc. The committee shall also take decision whether a particular matter is required to be referred to the Board for approval before settlement. The matter for settlement shall only be referred to the centralized standing committee of RVPN by following the guide lines detailed below:

Disputes will be referred contract wise.

Disputes involving amount above Rs.1.00 lacs only will be referred / entertained.

Non-refundable fee shall be deposited by the contractor / firm @ 2% of disputed amount as claimed by the contractor/firm subject to maximum fee of Rs.1.00 lac with applicable GST.

In case of disputes, Application for settlement (only in prescribed format) may be collected from the purchaser office.

The centralized standing committee fees shall be deposited in cash/ demand draft/ pay order with the Account Officer (P&C-I), RVPN, Jaipur and the firm(s)/Contractor(s) shall furnish receipt thereof with a request for referring their disputes to the centralized standing committee for decision.

For settlement, the firm shall furnish their application (only in prescribed format) indicating the details of dispute/grievances along with requisite settlement fee, within a period of six months, after receiving communication from Procurement Wing giving rise to cause of dispute/ grievances.

In case, RVPN revises the settlement application fees, then revised fees shall be applicable.

1.57 CONSTRUCTION OF CONTRACT:

The contract shall in all respects be deemed to be and shall be constructed and shall operate as on Indian contract as defined in the Indian Contract Act, 1872 and all payments there under shall be made in Rupees unless otherwise specified.

1.58 ACCEPTANCE OF THE ORDER:

The acceptance of the order shall be conveyed to the Superintending Engineer (PROC-I/II) Rajasthan Rajya Vidhyut Prasaran Nigam Ltd., Jaipur within ten (10) days of the receipt of the order in the prescribed proforma failing which it will be presumed that the terms and conditions incorporated in the order have been accepted by the supplier/contractor.

1.59 PRICE FALL CLAUSE

The price fall clause shall be made applicable w.e.f. the date of opening of 'Techno-Commercial Bid' of the subsequent bid when the supplies under the running contracts, are delayed beyond the overall stipulated delivery schedule provided that the supplier itself has quoted or accepted lower rates in the subsequent bid of the same item **in the state**. In other cases, the price fall clause shall be made applicable w.e.f. the date of opening of 'price bid' of the subsequent bid of the same item. If the bidder does not agree for lower rates finalized in subsequent bid, the remaining supplies of running contracts at higher rates as on the date of price bid opening of the subsequent bid will be cancelled as per provisions of price fall clause.

'If the stipulated delivery schedule of the running contract expires on the date of opening of techno commercial bid of subsequent bid or thereafter before opening of price bid and bidder himself have quoted lower rates in subsequent bid, in that case the delayed-supplies made during the period of techno-commercial bid opening date and price bid opening date of subsequent bid will be paid at such lower rates if any, as are quoted /accepted by him (whichever is lower) in subsequent bid as against current contract price minus recovery towards delay in delivery, if it is so economical to RVPN Payment equivalent to 10% of the FORD price of the delayed supplies will be withheld till finalization of price of subsequent bid.

1.59.1 In case delivery schedule is already over:- The pending supplies against previous order w.e.f. the date of opening of techno commercial bid or price bid of subsequent bid as per preceding para shall be accepted at such lower rate, if any, as are quoted/finalized in subsequent bid as against subtracting recovery towards delay in delivery on old rate, if it is so economical and the bidder agrees to it. If they are not agreeable, supply shall not be taken and order for balance supply shall be cancelled as per provision of the purchase order.

1.59.2 When delivery schedule is not over:-

(a) If any previous successful bidder has also participated in a new bid enquiry and accepted the lower rate as received in the subsequent bid then pending supply against previous order shall be taken at the lower rate as is finalized in the subsequent bid.

(b) If the supplier has not participated or participated but he is not agreeable to supply the balance quantity at lower rate received in the subsequent bid, the balance supply against previous order shall be acceptable to the extent of ordered quantity as per delivery schedule up to three months (but not beyond the overall delivery schedule) from the date of opening of price bid of new bid on the following conditions:-

1. The rate will be as per the purchase order against which supplies are to be made within the delivery schedule.

2. The back log, if any, of supplies according to delivery schedule on the date of opening a new bid shall be acceptable on effecting the recovery towards delay in supply at prescribed rates, if leviable under the circumstances.

3. No supply in excess of quantity as per the delivery schedule during the 3months period after opening of "Price bid" of new bid shall be acceptable in any circumstances. No preponment of original delivery schedule will be made.
 4. The old purchase order(s) in respect of balance un- supplied quantity shall stand cancelled after 3 months from the opening of "Price bid" of new bid.
- 1.59.3 (a) If subsequent bid is decided on differential rates and a firm has also participated in subsequent bid, the price fall clause would be applicable with respect to the pricequoted/ accepted by the firm in the new bid provided this quoted / accepted price is lower than firm's previous updated price minus recovery towards delay in delivery.
- (b)In case, firm has not participated or not agreed to lower rates in subsequent bid, then price fall clause would be applicable with respect to highest differential price, decided under new bid, provided this highest price is lower than firm's previous updated price minus recovery towards delay in delivery.

1.59.4 Deleted

1.59.5 Deleted

- 1.59.6 If the material has been got inspected and cleared for dispatch within overall delivery schedule of total ordered quantity but material is not received at site within overall delivery schedule and techno-commercial bid/price bid of subsequent bid has been opened before or during this intervening period, then price fall clause shall not be made applicable on such supplies.

NOTE: -For the operation of price fall provision, the rates decided for procurement of material with World Bank assistance will not be considered.

1.60 DEFERMENT OF DELIVERY:

Supplies due for delivery by a supplier against any purchase order can be deferred with the approval of whole time directors in unforeseen or unavoidable circumstances or force majeure conditions. During deferment, if there happens any price escalation, the same shall be considered a price variation clause if so provided in the purchase order. For deferment of supply, a seven days notice shall be served upon the supplier by the purchase officer. One month notice shall also be served for lifting the deferment intimating the date of deferment being lifted. Extension in delivery period equal to the period of deferment shall be allowed.

1.61 DEBARMENT FROM BIDDING:

- 1.61.1 A bidder shall be debarred from participating in any procurement process for a period not exceeding three years commencing from the date on which he was debarred:
- a) if he has been convicted of an offence under the prevention of corruption Act, 1988 (Central Act No, 49 of 1988); or
 - b) if hehas been convicted of an offence under the Indian Penal Code, 1860 (Central Act No,45 of 1860) or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract; or
 - c) a bidder has breached the code of integrity prescribed in terms of Code of integrity for bidder' specified in ITB; or
- 1.61.2 A bidder may be debarred from participating in any procurement process for a period not exceeding three years commencing from the date on which he was debarred, where the entire bid security or the entire performance security or any substitute thereof, as the case may be, of a bidder has been forfeited by the procuring entity in respect of any procurement process or procurement contract.
- 1.61.3 The procuring entity shall not debar a bidder under this clause unless such bidder has been given a reasonable opportunity of being heard.

VOLUME-I
PART-IV
SPECIAL CONDITIONS OF CONTRACT (SCC)

The following bid specific data for the Plant and Equipment to be procured shall amend and/or supplement the provisions in the General Conditions of Contract (GCC):

S.No.	GCC Clause Ref. No.	Bid Data Details
1.	GCC 1.41.1(b)	<p>May be read as:</p> <p>A performance security for an amount equivalent to the 2.5% (in case of established suppliers)/ 0.5% (In case of Micro, Small and Medium Scale Industries of Rajasthan)/ 1% (in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR))/ 5% (in case of others) of the contract value as the case may be with validity for a period of 60 (sixty) days beyond the guarantee period, specified in clause No.1.40.2 above, the date of completion of all contractual obligations of the bidder including warranty obligations and defect liability period. However, the contractor may adopt the option, after approval of purchaser, to withheld required amount in lieu of performance security from each bill on pro-rata / proportionate basis.</p> <p>The Departments/Boards of the State Government or central Government; Government Companies as defined in clause (45) of section 2 of the Companies Act, 2013; Company owned or controlled, directly or indirectly, by the Central Government, or partly by the Central Government and partly by one or more State Governments which is subject to audit by the Auditor appointed by the Comptroller and Auditor General of India under sub-section (5) or (7) of section 139 of the Companies Act, 2013; or Autonomous bodies, Registered Societies, Cooperative Societies, Cooperative Societies which are owned or controlled or managed by the State Government or Central Government are exempted from furnishing of performance security, however they are required to furnish performance security declaration. In case of Micro, Small and Medium Scale Industries of Rajasthan the amount of performance security shall be 0.5 (Half) percent, of the amount of quantity ordered for supply of goods and in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR), it shall be 1(One) percent of the amount of supply order. The Micro, Small and Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self-attested documentary evidence to claim the above.</p> <p>Note: In case of the total procured value is less than the awarded value of rate contract, the successful bidder shall be allowed to reduce the performance security accordingly on successful execution</p>
2.	GCC 1.42.5	<p>May be read as:</p> <p>Bill shall be presented by contractor/supplier for each item of work separately as per schedule of prices. Subject to any deduction which the purchaser may be authorised to make in accordance with the terms of the contract, the contractor shall on presentation of bills and the certificate of the Engineer, be entitled to payment generally as follows :</p> <p>(i) 97.5% payment of the cost of each consignment in case of established suppliers, 99.5% payment of the cost of each consignment in case of Micro, Small and Medium Scale Industries of Rajasthan, 99% payment in case of sick industries other than Small Scale Industries whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) and 95% payment in case of others plus 100% taxes & duties, if payable extra, shall be made against receipted challans through Bank or directly.</p> <p>(ii) The balance payment (2.5% / 0.5% / 1% / 5% as the case may be)after ascertaining satisfactory performance of the material/equipment for the guarantee period specified in clause No.1.40.2 above, subject to completion of the contractual formalities incorporated in the purchase order and after effecting recovery of all dues from the firm/contractor under the contract.</p> <p>(iii) In case there is reason to believe that the suitability of supplies of stores can be determined by inspection of material after receipt of the same by the consignee without waiting for performance, the last balance payment (2.5% / 0.5% / 1% / 5% as the case may be) may be considered to be released after expiry of 30 days from receipt of material by consignee subject to completion of other contractual formalities. etc.</p> <p>(iv)In case the condition of the successful bidder for furnishing a performance security from a nationalized /scheduled bank has been accepted by the competent authority/ committee, incorporation of furnishing performance security to the extent of 2.5% / 0.5% / 1% / 5% as the case may be of the contract value in the proforma as prescribed by the purchaser shall be made and in that case the balance 2.5% / 0.5% / 1% /5% payment can be considered for release earlier on completion of other contractual obligations/ formalities incorporated in the purchase order.</p>

S.No.	GCC Clause Ref. No.	Bid Data Details
3.	--	<p>Additional Performance Security-</p> <p>(1) In addition to Performance Security as specified in GCC clause No. 1.41.1 an Additional Performance Security shall also be taken from the successful bidder in case of unbalanced bid. The Additional Performance Security shall be equal to fifty percent of Unbalanced Bid Amount. The Additional Performance Security shall be deposited in lump sum by the successful bidder before execution of Agreement. The Additional Performance Security shall be deposited through e-Grass, Demand Draft, Banker's Cheque, Government Securities or Bank Guarantee.</p> <p>Explanation : For the purpose of this rule,-</p> <p>(i) Unbalanced Bid means any bid below more than fifteen percent of Estimated Bid Value.</p> <p>(ii) Estimated Bid Value means value of subject matter of procurement mention in bidding documents by the Procuring Entity.</p> <p>(iii) Unbalanced Bid Amount means positive difference of eighty five percent of Estimated Bid Value minus Bid Amount Quoted by the bidder.</p> <p>(2) The Additional Performance Security shall be refunded to the contractor after satisfactory completion of the entire work. The Additional Performance Security shall be forfeited by the Procuring Entity when work is not completed within stipulated period by the contractor.</p>
4	1.42.8 (e)	<p>The following clause is added:-</p> <p>In case of defects/damages noticed during guarantee period are not rectified by the supplier within 45 days from the date of intimation of such defects/damages by the consignee/purchaser through registered letter or email /toll free number available on the name plate of the equipment, penalty @ 0.5% per week or part thereof for delay in rectification of the defects/damages subject to maximum 5% of the unit ex-works price of the defective equipment will be levied during the whole guarantee period.</p> <p>If the defects/damages is required to be rectified at manufacturer's works, the lifting permission will be sought by the supplier within a period of 45 days along with security bank guarantee (lifting BG) equivalent to the cost of the equipment failing which the supplier will be liable to pay penalty as detailed above. After rectification of the defects/damages and required inspection/testing, the equipment will be delivered anywhere in the Rajasthan as per dispatch instructions issued by the purchaser within mutually agreed time period as given in the lifting permission issued by the purchaser failing which the supplier will be liable to pay penalty as detailed above beyond the time period allowed in the lifting permission.</p> <p>The above penalty shall be in addition to, and without prejudice to, the other rights and remedies provided under this agreement.</p>

**VOLUME-I
PART-V
ERECTION CONDITIONS OF CONTRACT (ECC)**

DELETED

PART-VI
(BID PROPOSAL FORM, ANNEXURES, SCHEDULES)

BID PROPOSAL FORM

The Superintending Engineer (Proc.-II),
RVPN, Gate #3, Old Power House Premises,
Banipark, Jaipur-302006

Dear Sirs,

With reference to your invitation to bid against specification No. RVPN/SE/ Proc-II/ XEN-V/ AEN-1 / BN-9016002222, we agree to supply the following quantities.

S. No.	Particulars	Bid Quantity in Nos.	Whether quoted
1	250 KVA, 33/0.415 KV COPPER WOUND NATURAL COOLED SUB-STATION TRANSFORMERS AND COMPLETE ACCESSORIES.	37	Yes/No

Note: Bidder must quote for full NIB quantity for respective item.

We also agree that:

1. The offer is valid for a period of 120 days after the date of opening of this bid.
2. We agreed to the conditions of PV claim as enumerated at Schedule-PV of bid document and as mentioned in BDS.

The unit Ex-works prices quoted shall be variable without any ceiling as per IEEMA price variation formula indicated in Schedule-PV with respect to prescribed base date i.e. 01.12.2022 irrespective of the date of opening of bid. The price variation shall be applicable on Ex-Works prices, which includes packing and forwarding charges. Price variation shall not be applicable on freight and insurance charges. The detailed provision made for standardizing PV claim are enclosed with PV formula (Schedule-PV).

In case IEEMA changes the applicable formula/indices for price variation during the pendency of the contract for any item, the same shall be applicable, provided if during pendency of the contract when both old and new price indices are being circulated, in such circumstances the lower of the price variation evaluated as per both old and new formula/indices, whichever is beneficial to Nigam, shall be admissible to the supplier(s), and for the period from which the old indices are discontinued, the price variation shall be admissible as per the new PV formula with new indices.

3. The unit Ex-works prices are variable with base date as 01.12.2022 irrespective of date of opening of bids, as specified in the bid document.
4. The quantities as mentioned in the bid document are approximate and we agree to supply any quantity as per your requirement. **I/we have understood that under rate contract minimum quantity is not guaranteed.**
5. The delivery shall strictly be in accordance with your delivery clause as given in Schedule-DEL of this bid document. In case we fail to deliver the material as indicated in Schedule-DEL of this bid document, we shall pay penalty as per clause No.1.24 of GCC (Part – III of Volume-I) of this bid document.
6. The material shall conform to Technical Specification (Volume-II) of bid document and as per relevant ISS in all respects.
7. The statutory variation in existing taxes under the GST Act and financial liability due to introduction of new taxes/ duties applicable on quoted prices within stipulated delivery/ completion period shall be to RVPN's account. All taxes/duties within stipulated delivery/ completion period shall be paid at actuals.

Any additional financial liability due to revision/ changes in taxes/ duties beyond stipulated delivery/ completion period and any liability arising due to inappropriate quotation of applicable rates of taxes & duties in price schedule shall be borne by us.

8. The position of bidders in the ascending order statement shall be worked out considering all inclusive unit F.O.R. Destination price. However if any notification/guidelines regarding comparison of prices notified by the Rajasthan State Government before actual date of opening of technical Bid, the same shall be considered.
9. Bidder shall indicate in their bid the Ex-works prices of 250KVA, 33/0.415kV COPPER WOUND NATURAL COOLED SUB-STATION TRANSFORMERS AND COMPLETE ACCESSORIES., applicable IGST/CGST & SGST with their applicable rates in Schedule-BOQ (Price schedule) of Bid Specification. Bidder shall also indicate in their bid, the Freight & Insurance charges (inclusive of insurance & unloading) and applicable taxes, if any excluding GST. The GST (IGST/CGST & SGST) with their applicable rates on F&I charges of Circuit Breaker shall also be indicated separately in Schedule-BOQ (Price schedule) of Bid Specification.
10. We confirm that we agree to all the terms and conditions as well as the technical stipulations of Technical Specification (Volume-II) of bid document and there are no deviations other than as specified in Schedule-DEV.
11. We confirm that the performance of equipment shall be guaranteed for a period of 36 months from the date of supply of last consignment or 30 months from the date of commissioning whichever is earlier irrespective of guarantee period indicated in GCC (Part-III of Volume-I).
12. We confirm that the spares required for service of supplied material shall be provided directly by us.
13. We have after sales service organization and services of our organization will be available to the purchaser as and when required by him.
14. We comply the terms & conditions of order no.F.2(1)FD/G&T-SPFC/2017 Jaipur dated 15.01.2021 issued by Finance (G&T) Department, GoR regarding requirement of mandatory prior registration of bidders from the countries sharing land border with India-Restrictions under Rule 13 of the RTPP Rules, 2013.

Yours faithfully,

(Signature)

Name & Designation with seal of the bidder

APPLICATION FOR PAYMENT

DELETED

BIDDER ELIGIBILITY CERTIFICATE

(To be issued on the non-judicial stamp paper of Rajasthan worth Rs.50/-)

We hereby certify that we have read and understood the provision of order No. F. 2(1) FD/G&T-SPFC/2017 Jaipur, dated: 15.01.2021 issued by Finance (G&T) Department, Government of Rajasthan regarding requirement of mandatory prior registration of bidders from the countries sharing land border with India.

As per Finance (G&T) Department, GOR order dated 15.01.2021 regarding prior registration of the bidders from countries sharing land border with India-Restrictions under Rule 13 of the Rajasthan Transparency in Public Procurement Rules 2013, any bidder belongs to or with beneficial ownership from countries sharing a land border with India will be eligible to bid in any procurement only if the bidder is prior registered with the competent authority of GoI of GoR.

- (i) In view of GoR order dated 01.01.2021 “Beneficial owner” means-
- a) In case of a company or Limited Liability Partnership, the “beneficial owner” is the natural person or persons who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other person,
 - b) “Controlling ownership interest” is the ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company,
 - c) “Control” all include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
 - d) In case of a partnership firm, the “beneficial owner” is the natural person or persons who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 - e) In case of an unincorporated association or body of individuals, the “beneficial owner” is the natural person or persons, who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 - f) Where no natural person is identified under sub-clause (a), (b), (c), (d) or (e) above, the “beneficial owner” is the relevant natural person who holds the position of senior managing official;
 - g) In case of a trust, the identification of beneficial owner or owners shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- (ii) Further, “Bidder from a country which shares a land border with India” means,
- a) An entity incorporated, established or registered in such a country;
 - b) A subsidiary of an entity incorporated, established or registered in such a country;
 - c) An entity substantially controlled through entities incorporated, established or registered in such a country;
 - d) An entity whose beneficial owner’s situated in such a country;
 - e) An Indian (or other) agent of such an entity;
 - f) A natural person who is a citizen of such country;
 - g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

We also certify to have understood the FD, GOR notification dated 01.01.21 issued in compliance of order No. F.No. 6/18/2019-PPD dated 23.07.20 issued by public procurement division department of expenditure, Ministry of Finance, Government of India, New Delhi regarding conditions and restrictions as a bidder.

We, _____ (Bidder Name to be inserted) certify that as bidder in Bid having Unique ID No. _____ (insert details), we fully comply with the above

referred order and notification conditions as bidder. The requirement of registration certificates under these order and notification do not apply on us.

We certify and accept that if the information as above found to be false, this would be a ground for immediate termination and further legal action on us in accordance with law.

I [Mr. _____ (Name of Authority)] am fully authorized to issue this certificate on behalf of M/s _____.

Name of issuing Authority _____

Signature of Issuing Authority _____

Address of Issuing Authority _____

Phone No. of Issuing Authority _____

Fax no. of Issuing Authority _____

BANK GUARANTEE IN LIEU OF BIS CERTIFICATE

NOT APPLICABLE/DELETED

Annexure-BSBG**PERFORMA OF BANK GUARANTEE FOR BID SECURITY**

(Bank Guarantee in lieu of Bid security on non-judicial Stamp Paper of Rajasthan State of appropriate value)

BG Issuing Bank: _____

Address: _____

E-mail & fax: _____

To,
 The Chief Engineer (Procurement),
 RVPN, Gate #3, Old Power House Premises,
 Banipark, Jaipur-302006

1. Whereas (name of the Bidder) (hereinafter called "the Bidder") has submitted its bid dated.....(date of submission of bid) for(name of contract/ Name of the material with Bid no.) (hereinafter called "the Bid").
2. KNOW ALL PEOPLE by these presents that WE..... (name of bank) of (name of country), having our registered office at (address of bank) (hereinafter called "the Bank"), are bound unto (name of Purchaser) (hereinafter called "the Purchaser") in the sum of Rs.*_____ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank thisday of20.....
3. THE CONDITIONS of this obligation are:
 - (i) If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder in the Bid Form; or
 - (ii) If the bidder refuses to accept the correction of error in his Bid; or
 - (iii) If the Bidder, having been notified of the acceptance of its Bid by the purchaser during the period of bid validity:
 - (a) Fails or refuses to execute the Contract Agreement within the time specified in purchase/work order, if required, or
 - (b) Fails or refuses to furnish the performance security within the time specified in purchase/work order in accordance with the GCC, or
 - (c) Fails to commence supply of goods or services or execute work as per purchase/work order within time specified.
 - (iv) If the bidder breaches any provision of the Code of Integrity specified in the RTTP Act and Chapter VI of the RTTP Rules.
4. We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the four conditions specifying the occurred condition or conditions.
5. The decision of the CHIEF ENGINEER (Procurement), RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM, JAIPUR shall be final whether breach has been committed on the right to demand the amount of guarantee from us which has accrued to the purchaser.
6. This guarantee shall not cease or determine, if the purchaser grants time or indulgence or vary the terms of the contract with the Contractor or without our consent or knowledge.
7. The guarantee herein contained shall not be affected by any change in the constitution of the Contractor.
8. We.....further undertake not to revoke this guarantee during its currency except with the previous consent of the Chief Engineer (Procurement) , Rajasthan RajyaVidyutPrasaran Nigam, Jaipur.
9. All disputes arising under the said guarantee between the Bank and the Nigam or between the Contractor and the Nigam pertaining to the guarantee, shall be subject to the jurisdiction of Courts in Jaipur, Rajasthan alone.
10. This guarantee will remain in force up to and including one hundred eighty (180) days after the date of the opening of bids, i.e. up to, with a further grace period of Ninety (90) days and any demand in respect thereof should reach the Bank not later than the above date.

Yours faithfully,
 Bankers (EXECUTENT)

Signed by the above named Bank in presence of :-
 (Signature with full Name and Address)

Witness :

1. _____

2. _____

Attested by Notary Public, First Class Magistrate or directly confirmed by the executing bank.

* The Bidder should insert the amount of the guarantee in words and figures denominated in the currency of bid.

Note1 :- In case the bid is submitted by a Joint Venture, the Bid Bank guarantee shall be in the name of Lead partner or in the name of joint venture partners submitting the Bid covering all the partners of the joint venture.

BID-SECURING DECLARATION

Date: _____

Notice Inviting Bids No.: _____

To: SE (PROC-II), RVPN, Jaipur

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration. We accept that we are required to pay the bid security amount specified in the term and condition of Bid, in the following cases, namely:

- (a) when we withdraw or modify our bid after opening of bids;
- (b) when we do not execute the agreement, if any, after placement of supply/work order within the specified period;
- (c) when we fail to commence the supply of goods or service or execute work as per supply/work order within the time specified;
- (d) when we do not deposit the performance security within the specified period after the supply/work order is placed; and
- (e) If we breach any provision of code of Integrity prescribed for bidding specified in the Act and Chapter VI of these rules.

In addition to above, the State Government shall debar us from participating in any procurement process undertaken for a period not exceeding three years in case where the entire bid security or any part thereof is required to be forfeited by procuring entity.

We understand this Bid securing Declaration shall expire if:-

- (i) we are not successful Bidder;
- (ii) the execution of agreement for procurement and performance security is furnished by us in case we are successful Bidder;
- (iii) thirty days after the expiration of our Bid;
- (iv) the cancellation of procurement process; or
- (v) the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

Signed: _____

Name: _____

In the capacity of: _____

Duly authorized to sign the bid for and on behalf of: _____

Dated on _____ day of _____ [insert date of signing]

Corporate Seal _____

Annexure-CA

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LTD.,
(On Non-Judicial Stamp of Rajasthan State of Appropriate value)

AGREEMENT FOR RATE CONTRACT

This Indenture made at _____ on this _____ day of the Month of _____ of the year _____ between the Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (herein after referred to as the Purchaser), which expression unless the context does not permit includes its successors and assignees) of the one part and

(i) To be used in case of Limited Companies

Messers _____ a Private/ Public Limited Company incorporated on _____ under the _____ Companies Act and having its Registered office at _____ (hereinafter referred to as Suppliers which expression unless the context does not permit includes their successors and permitted assignees)

(ii) To be used in case of Partnership concerns

Messers _____ a Partnership Firm consisting of the following Partners namely:

(Name) (Age) (Residence) (Occupation)

- 1
- 2
- 3
- 4

having its registered office at _____ (herein after referred to as Supplier which expression unless the context does not permit includes their respective heirs, executors, administrators, legal representatives, permitted assignees)

(iii) To be used in case of Proprietorship firm

Messers _____ a Proprietorship firm having its proprietor Mr/Mrs _____ and having its Registered office at _____ (hereinafter referred to as Supplier which expression unless the context does not permit includes their successors and permitted assignees)

of the second part witnesses as follows:-

- (1) The Supplier, do by these presents agree to supply to the Purchaser and the Purchaser does agree to purchase from the Supplier the material at the agreed rate(s) specified in the Schedule appended herewith. The Purchaser reserves the right to place separate Purchase Order(s) under this Agreement for Rate Contract for any quantity based on the requirement of material. The Purchaser does not guarantee any volume of quantity for Purchase Order(s) under this Agreement for Rate Contract and the decision in this regard would be binding on the Supplier and shall not be called into question by the Supplier. Purchaser reserves sole discretion in this matter. However, it is agreed that total quantity ordered through Purchase Order(s) under this Agreement for Rate Contract shall not exceed the agreed quantity indicated in the Schedule.
- (2) The period of validity of this Agreement for Rate Contract shall be Two year from the date of issue of letter of award, i.e., which can be extended for three month if mutually agreed in writing. The Purchaser shall be at liberty to issue multiple Purchase Orders under this Agreement for Rate Contract or no Purchase Order based on the requirement of material during the term of this Agreement for Rate Contract.
- (3) The Purchase Order(s) issued under this Agreement for Rate Contract shall inter alia indicate the quantity to be supplied and the Delivery Schedule.

- (4) Scheduled Delivery Period for the material to be supplied against the each Purchase Order shall be three months from the date of issue of respective Purchase Order if not mutually agreed. But in no situation it shall be less than two month.
- (5) The terms of payment of the material supplied against the Purchase Order(s) under this Agreement shall be in accordance with clause 1.42 of the GCC. However, it is agreed that, if applicable, Price Variation in accordance with terms and conditions in Purchase Order shall be applicable for the material supplied against the Purchase Order(s) under Rate Contract.
- (6) The General Conditions of the Contract, Instructions to the bidders & Technical Specification and other documents appended hereto are considered a part of this Agreement. Each Purchase Order issued under this Agreement for Rate Contract shall also be part of this Agreement.
- (7) The Supplier have deposited Rs. _____ (in words Rs. _____ only)
 - (a) In cash, or
 - (b) by furnishing a Demand Draft No. _____ dated _____ drawn in favour of _____ or
 - (c) by furnishing a Bank Guarantee equivalent to _____% of the Total Estimated Value of the material to be supplied under this Agreement for Rate Contract towards Performance Security deposit with the Purchaser for the performance of this agreement as per the Schedule. The Performance Security deposit receipt duly endorsed in favour of the Purchaser should be lodged to his safe custody.
- (8) The specifications of the materials to be supplied under this Agreement shall be as set forth in the bid specification.
- (9)
 - (a) The Supplier is to deliver the material:-
 - (i) To F.O.R Destination(s) anywhere in Rajasthan by Train.
 - (ii) Free delivery at Consignees Stores/ Site by Road Transport, duly packed in good condition conforming to specification.
 - (b) If so required by the Purchaser, the Supplier will book the consignments by Rail/ Road to any destination stipulated by the Purchaser.
 - (c) The Purchaser shall pay the FORD Price including all the taxes and Charges to the Supplier from time to time on receipt of the bills from the supplier supported by documentary evidence or acknowledgement granted by Purchaser for supplies received.
- (10) In case of dispute as to whether any materials supplied are or are not in accordance with Specifications set forth in the schedule, the decision of the Chief Engineer, RVPN shall be final and binding on both the parties.
- (11) The delivery shall be effected and completed as per provision of the respective Purchase Order.
- (12) Payment of the price for the material supplied under this Agreement shall be as per respective Purchase Order.
- (13) The deposit made by the supplier under clause (7) will be returned to the Supplier after due fulfilment of obligations under this Agreement.
- (14) If the Supplier fail wholly or in part to fulfil this Agreement, the Purchaser shall be entitled at his discretion to retain the whole or any part of the deposit made by the Supplier under clause (7) and if the loss suffered by the Purchaser exceeds the amount of said deposit, they will be entitled to recover the said loss from the Supplier.

- (15) If any sum remains due or becomes recoverable from the Supplier on account of the non-fulfilment of this agreement or on account of any other reason, the Supplier shall pay the same immediately on demand. If the Supplier does not make such payment on demand, the Purchaser shall be entitled to recover the same from the Supplier as arrears of Land Revenue.
- (16) All disputes arising under this Agreement, between the Supplier and the Purchaser shall be subject to the jurisdiction of Courts only at Jaipur in Rajasthan alone.

In witness of the due execution of this agreement the parties have hereunder set their hands, signed and delivered by

In case of Limited/ Partnership Shri _____ (1) Signature
Companies & Firms Designation

(2) Signature

For and on behalf of _____ (1) Signature

In presence of witnesses (2) Signature
Signed and delivered by

In case of Individuals Shri _____ (1) Signature

In the presence of witness:

(1) Shri _____ Designation (1) Signature

(2) Shri _____ Designation (2) Signature

Signed and delivered by the _____ RVPN

By order and on behalf of the RVPN

Rajasthan RajyaVidyutPrasaran Nigam Ltd.,
(seal to be affixed)

SCHEDULE TO AGREEMENT FOR RATE CONTRACT

S. No.	Material	Estimated Qty.	Unit FORD Price inclusive of ex-works price and Freight & Insurance charges (Inclusive of GST @...%) (Rs)	Total Estimated FORD Price inclusive of ex-works price and Freight & Insurance charges (Inclusive of GST @...%) (Rs)
1				
2				
3				
4				
...				

Total Estimated Value

(On the letterhead of CA)**Annexure-CCA**

This is to certify that M/s-----(Name of the firm with address) have manufactured and supplied the equipment/material as detailed below:-

Sr. No	Name and rating/ capacity of the equipment	Quantity supplied	Period of supply	Name and address of purchaser	Name and address of end user

The above certificate has been issued based on the documents made available by M/s-----

Date:

(Name and address of CA)

Place:

Membership No.-----

Annexure-CI**COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST**

(Must be signed by the bidder and attached with Techno-commercial Bid)

COMPLIANCE WITH THE CODE OF INTEGRITY

Any person participating in procurement process shall

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) not misrepresent or omit information that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) not indulge in any collusion, bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- (d) not misuse any information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) not obstruct any investigation or audit of a procurement process;
- (g) disclose conflict of interest, if any; and
- (h) disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

CONFLICT OF INTEREST:

The bidder participating in the bidding process must not have a Conflict of interest

A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws & regulations.

A Bidder may be considered to be in conflict of interest with one or more parties in a bidding process if, including but not limited to:

- (a) have controlling partners/shareholders in common; or
- (b) receive or have received any direct or indirect subsidy from any of them; or
- (c) have the same legal representative for purposes of the bid; or
- (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the procuring entity regarding bidding process; or
- (e) The bidder participates in more than one bid in the bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of the same sub-contractor, not otherwise participating as a bidder, in more than one bid; or
- (f) The bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods, works or services that are the subject of the bid; or
- (g) Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer in-charge/consultant for the contract.

(Bidder's Signature)

Name & Designation with seal of the bidder

CHECK LIST**Annexure-CL**

List of required Annexure/Schedules/documents to be submitted online on e-proc duly signed digitally by Authorized Signatory:

S. No.	Particulars as per specification	Description of required document to be uploaded on eproc	Weather uploaded (Yes or No)
1)	Documents related to Fee:-		
2.1	Details of Bid Security	Proof of depositing bid security. In case of Departments & Undertakings of the Rajasthan State Government and Undertakings of the Central Government, Bid securing declaration as per Annexure-BSD.	
2.2	Bid processing fee	Proof of depositing bid processing fee.	
2.3	Cost of Bid Document	Proof of depositing bid document cost.	
2)	Documents related to Pre-Qualifying Requirements:-		
2.1	The bidder must be a company registered under the Companies Act, 1956/2013 or Proprietary firm or a Partnership firm.	Memorandum of Association, Registration Certificate as per the Companies Act, 1956/2013 or as per its latest amendment in case of Companies or Registration Certificate under Rajasthan Shop & Establishment Act, 1958 or similar Act in case of Proprietary firm or Registration Certificate from Registrar of Firms in case of Partnership firm	
2.2	If Bidders belonging to or with beneficial ownership from countries sharing land border with India must be registered with the Industries Department of the Government of Rajasthan or Competent Authority of the Government of India OR Bidders do not belonging to or with beneficial ownership from countries sharing land border with India	Registration Certificate with the Industries Department of the Government of Rajasthan or Competent Authority of the Government of India and shall be valid upto bid validity period. Furnish undertaking on Rs. 50/- Stamp Paper of Rajasthan as per Annexure-BEC.	
2.3	The bidder should be registered under Goods & Services Tax Act	Copy of GST Registration	
2.4	The bidder shall comply with the policy of Govt. of India issued vide Gazette Notification No. GSR 385€ dtd. 29.05.2019 for providing preference to domestically manufactured Iron & Steel Products in India	Undertaking on Rs.500/- stamp paper of Rajasthan as per Form-1 (Annexure-DVA)	
2.5	Past supply Criteria	CA certificate towards meeting Past supply criteria of QR as per Annexure-CCA	
2.6	Performance Criteria	Duly self-attested performance certificates from the purchaser/ end user clearly indicating the quantity supplied, date of commissioning, rating & voltage class of bided item	
2.7	Type test criteria	The Bidder shall furnish valid type test certificate towards meeting type test criteria of PQR.	

S. No.	Particulars as per specification	Description of required document to be uploaded on eproc	Weather uploaded (Yes or No)
2.8	In case of Authorized distributor or selling agent of the manufacturers.	Manufacturer's authorization certificate in prescribed proforma (Annexure-MAF) in favour of the bidder furnishing the bid.	
2.9	FINANCIAL POSITION: (i) The bidder shall meet Minimum Average Annual Turnover (MAAT) for best three (3) financial years out of last five (5) financial years equal to 1.5 times of estimated cost divided by completion period in years.	Audited balance sheets and income statement or CA Certificate	
	(ii) The bidder shall have Liquid Assets (LA=Current Assets-inventories) or/and evidence of access to or availability of credit facilities equal to 3 times of estimated cost divided by completion period in months.	(i) Audited balance sheets and income statements Or CA certificate. (ii) For credit facilities: Certificate from bank as per Annexure-CR	
	(iii) The Net worth (Total Assets –Total Liability) of the manufacturer/ bidder for last three (3) years should be positive.	Audited Balance Sheet and income statement or CA certificate	
2.10	The bidder should be qualified, not be insolvent, not be in receivership, not be bankrupt or being wound up, should not have affairs administered by a court or a judicial officer, should not have business activities suspended, should not be blacklisted or debarred by any utility /Government Agency, should not have a conflict of interest.	Declaration in Schedule-DRQ	
2.11	Statement showing orders executed during last five years for the same item of any rating/ type in RVPN	List of orders.	
3)	Details of items quoted by the bidder along with other confirmations.	Bid proposal form	
4)	Compliance with the Code of Integrity and No Conflict of Interest.	Annexure-CI	
5)	Affidavit for MSME Unit on stamp paper	Annexure-MSME	
6)	Confirmation for payment through RTGS / NEFT.	Annexure-NEFT	
7)	Price preference or purchase preference	Annexure-PPP	
8)	Additional Conditions of Contracts	Schedule-ACC	
9)	Schedule of Participating bidder's Details	Schedule-BD	

S. No.	Particulars as per specification	Description of required document to be uploaded on eproc	Whether uploaded (Yes or No)
10)	Delivery schedule of Specification	Schedule-DEL	
11)	Performance Certificates from users	Annexure-PC	
12)	Schedule of Guaranteed Technical Particulars	Schedule - GTP	
13)	Previous Experience and Performance	Schedule-PEP	
14)	Schedule of Plant and Machinery, Tools & Tackles available	Schedule-PMTT	
15)	Schedule of Price Variation	Schedule-PV	
16)	Qualification Data	Schedule-QD	
17)	Schedule of Special Tools & Tackles for Maintenance	Schedule-STT	
18)	Details of Technical Personnel of bidder	Schedule-TP	
19)	Power of Attorney for authorized signatory to sign the bid document digitally.	POA	
20)	Schedule of Deviations	Schedule-DEV	
21)	Schedule of Prices	Schedule-BOQ	
22)	Bank Guarantee in lieu of BIS Certificate, if applicable	Annexure-BGBIS	
23)	Bank Guarantee against Bid Security	Annexure-BSBG	
24)	Bank Guarantee in lieu of Type Test	Annexure-TTBG	
25)	Others		

Annexure-CR**FORMAT FOR EVIDENCE OF ACCESS
TO OR AVAILABILITY OF CREDIT/FACILITIES
BANK CERTIFICATE**

This is to certify that M/s _____ (full Name & Address), who have submitted their Bid to Rajasthan RajyaVidyutPrasaran Nigam Limited against their Bid specification Vide ref. No. _____ & date _____ is our Customer for the past _____ years.

Their financial transactions with our Bank have been satisfactory. They enjoy the following fund based and non fund based limits including for guarantees, L/C and other credit facilities with us against which the extent of utilization as on date is also indicated below:

Sl. No.	Type of Facility	Sanctioned Limit as on Date _____	Utilisation as on Date _____
1.			
2.			
3.			

This letter is issued at the request of M/s _____

Sd/-

Name of Bank _____

Name of
Authorized Signatory _____

Designation _____

Phone No. _____

Address _____

SEAL OF THE BANK

Annexure-DVA

Form-1**Format for Affidavit of self-certification regarding Domestic Value Addition in Iron & Steel Product/capital goods to be provided on Rs. 500/- Stamp Paper of Rajasthan****Date:**

I _____ S/o, D/o, W/o _____ Resident of _____
 hereby solemnly affirm and declare as under:

That I will abide by the terms & conditions of policy of Government of India issued vide Notification No.: F.No.3(2)/2018-IDD Dated 29th May 2019.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring agency (ies) for the purpose of assessing the domestic value addition.

That the domestic value addition for all inputs which constitute the said iron & steel products has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value addition criteria, based on the assessment of procuring agency (ies) for the purpose of assessing the domestic value addition, I will be disqualified from any government tender for a period of 36 months. In addition, I will bear all costs of such an assessment.

That I have complied with all conditions referred to Notification No.: F.No.3(2)/2018-IDD Dated 29th May 2019 wherein preference to domestically manufactured iron & steel products in Government procurement is provided and that the procuring agency (ies) is hereby authorized to forfeit and my EMD. I also undertake to pay the assessment cost and pay all penalties as specified in the bid document.

I agree to maintain the following information in the company's record for the period of 8 years and shall make this available for verification of any statutory authority.

- i. Name and details of Bidder :
 (Registered office, Manufacturing location, Nature of legal entity)
- ii. Date on which this certificate issued:
- iii. Iron & Steel products for which the certificate is furnished:
- iv. Procuring agency to whom the certificate is furnished:
- v. Percentage of domestic value addition claimed and whether it meets the threshold domestic value addition prescribed:
- vi. Name and details of the unit of the manufacturer(s):
- vii. Net selling price of the Iron & Steel products:
- viii. Freight, Insurance and handling till plant:
- ix. List and total cost value of input steel (imported) used to manufacture the Iron & Steel products:
- x. List and total cost of input steel which are domestically sourced:

- xi. Please attach domestic value addition certificate from suppliers, if the input not in house:
- xii. For imported input steel, landed cost at Indian port with break-up of CIF value, duties & taxes, port handling charges and inland freight cost.

**For and on behalf of
(Name of firm/entity)**

Authorized signatory
(to be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No>

MANUFACTURERS' AUTHORIZATION FORM

No. _____ dated _____

To

Dear Sir,

NIB Under (BN No. _____) for supply of _____(item)

We _____ who are established and reputable manufacturers of _____
(name & descriptions of goods offered) having factory) at (address of factory) do hereby authorize M/s
_____ (Name and address of Agent) to submit a bid, and sign the contract with you for the
above goods manufactured by us against the above NIB under BN No. _____

No company or firm or individual other than M/s _____ are authorized to bid, and conclude the
contract for the above goods manufactured by us against this specific NIB.

We hereby extend our full guarantee and warranty as per the General Conditions of Contract appended with
specification for the goods and services offered for supply by the above firm against this NIB.

Yours faithfully,

(Name of manufacturer)

Note : This letter of authority should be on the letter head of the manufacturer and should be signed by a person
competent and having the power of attorney to legally bind the manufacturer. It should be included by the Bidder in
its bid.

FORM-I
MEMORANDUM OF APPEAL UNDER THE RAJASTHAN TRANSPARENCY IN
PUBLIC PROCUREMENT ACT, 2012

Appeal No. _____ of _____
Before the _____ (First/ Second Appellate Authority)

1. Particulars of appellant:
 - (i) Name of the appellant:
 - (ii) Official address, if any:
 - (iii) Residential address:

2. Name and address of the respondent(s):
 - (i)
 - (ii)
 - (iii)

3. Number and date of the order appealed against and name and designation of the officer / authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name of and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds _____ of _____ appeal:
(Supported by an affidavit)

7. Prayer:

Place: _____
Date: _____

Appellant's Signature

Annexure-MSME**FORM-B**
FORMAT OF AFFIDAVIT FOR MSME UNIT

(On non-judicial Stamp Paper of appropriate value attested by Notary Public/ First Class Magistrate)

I, _____ S/o _____ Aged _____ Year residing at _____ Proprietor/
Partner/ Director of M/s _____ do hereby solemnly affirm and declare that:

(a) My/Our above noted enterprise M/s _____ has been issued acknowledgement of Entrepreneurial Memorandum Part-II by the District Industries Center, _____. The acknowledgement No. is _____ dated _____ and has been issued for manufacture of following items:

Name of Item	Production Capacity (Yearly)
(i)	
(ii)	
(iii)	
(iv)	

(b) My/our above noted acknowledgement of Entrepreneurial Memorandum Part-II has not been cancelled or withdrawn by the Industries Department and that the enterprise is regularly manufacturing the above Items.

(c) My/our enterprise is having all the requisite plant and machinery and is fully equipped to manufacture the above noted items.

(d) The Present status of the firm is as per acknowledgement of Entrepreneurial Memorandum Part-II issued on date by the District Industries Center, _____.

Place

Signature of Proprietor/Director
Authorized Signatory with Stamp and date

VERIFICATION

I, _____ S/o _____ Aged _____ Year residing at _____
Proprietor/Partner/Director of M/s _____ verify and confirm that the contents at (a),(b),(c) &(d) above are true and correct to the best of my knowledge and nothing has been concealed therein. So, help me God.

Deponent

Note:- If the cost of items to be procured /hired exceeds Rs.1,00,000/- (Rupees One Lakh), the procuring entity would be required to have the production unit inspected to satisfy itself of the production capacity and that the quality control measures are installed.

Annexure-MW**MANUFACTURER'S WARRANTEE FORM**

(FOR SUPPLY PART)

(Warrantee to be furnished on Rajasthan Non Judicial Stamp paper appropriate value as required under the Rajasthan Stamp Duty Act)

To,
The Chief Engineer (Procurement),
RVPN, Gate #3, Old Power House Premises,
Banipark, Jaipur-302006

Dear Sir,

THIS DEED OF GUARANTEE is made this day _____ of _____ of the year _____ between the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Limited (which expression shall unless excluded by or repugnant to the context includes his successors and assigns) of the one part and _____ hereinafter called "The Contractor" (which expression shall unless excluded by or repugnant to the context includes its successors and assigns) of the other part.

WHEREAS MESSERS _____ (hereinafter called the contractor) agreed to supply the material _____ (Name of material) to the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd. against LOA No. _____ dated _____ (hereinafter referred to as the contract).

AND WHEREAS as per the terms of the contract it was provided that the contractor should furnish a Warrantee for supplying any material free of cost that may be required due to defects arising from faulty materials, design and workmanship, so as to make it meet the guarantees and requirements of the contract.

AND WHEREAS at the request of the Chief Engineer, the contractor M/s _____ has agreed to execute these presents.

NOW THIS INDENTURE WITNESS AND IT IS HEREBY AGREED AND DECLARED by the and between the parties hereto as follows:

1. The Contractor hereby guarantees to the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., the fulfillment by the contractor of the various obligations imposed on him under the aforesaid contract including the obligations of the contractor to supply materials of the good quality, design and workmanship and the Contractor further guarantees to the Rajasthan Rajya Vidyut Prasaran Nigam Ltd. that they (M/s _____) shall substitute and supply any material free of cost that may be required due to defects arising from faulty material, design and workmanship and the Contractor undertakes to indemnify and keep the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd. indemnified to the extent of full value of contract (Rs. _____) (in words Rupees _____) against any loss or damage that may be caused to or suffered by the Rajasthan Rajya Vidyut Prasaran Nigam Ltd. by reason of any failure by the contractor to supply materials of good quality, design and workmanship as aforesaid .

The decision of the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd. as to whether the contractor (M/s _____) have failed or neglected to perform or discharge their duties and obligations as aforesaid shall be final and binding on the Contractor.

2. The Warrantee herein contained shall remain in full force and effect during the period that would be taken in the performance of the said contract and it shall continue to be valid till all the obligations to the Rajasthan Rajya Vidyut Prasaran Nigam Ltd. under or by force of the contract have been fully and properly discharged by the said contractor, subject however, to the conditions that the Rajasthan Rajya Vidyut Prasaran Nigam Ltd. will have no right under this Warrantee after _____ months from the date of commissioning or _____ months from the date of receipt of last consignment at the site/store, whichever is earlier, provided further that if any, claim arises by virtue of this Warrantee before the aforesaid date, the same shall be enforceable against the Contractor notwithstanding the fact that the same is enforced after the aforesaid date.
3. The Warrantee herein contained shall not be affected by any change in the constitution of the Contractor.
4. The Contractor further undertakes not to revoke this Warrantee during its currency except with the previous consent of the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Limited in writing.
5. All disputes arising under the said Warrantee, between the Contractor and the Rajasthan Rajya Vidyut Prasaran Nigam Ltd. shall be subject to the jurisdiction of Courts, only at Jaipur in Rajasthan alone.

IN WITNESS WHEREOF THE CONTRACTOR HAS executed these presents the day and year written above.

Yours faithfully,

(EXECUTANT)

Signed by the above named Contractor in presence of: -
(Signature with full Name and Address)

Witness: -

- 1.
- 2.

(Attested by Notary Public or First Class Magistrate or directly confirmed by the executing Contractor).

Annexure-NEFT**REAL TIME GROSS SETTLEMENT (RTGS)/NATIONAL ELECTRONIC FUND
TRANSFER (NEFT)**

From:

M/s

The Sr. Accounts Officer (),
RVPN,

Sub: RTGS/ NEFT payments.

We refer to remittance of our payments using RBI's RTGS/ NEFT. Our payments may be made through the above system to our under noted account at our cost:-

Name of city	
Bank code No.	
Branch code No.	
Banks name	
Branch address	
Branch Telephone / Fax No.	
Supplier's Account No.	
Type of Account	
IFSC code for NEFT	
IFSC code for RTGS	
Supplier's name as per Account	
Telephone No. of supplier	
Supplier's E-mail ID	

Confirmed by Banker

Signature of Supplier
with stamp & Address

Annexure-PBG**PERFORMANCE SECURITY BANK GUARANTEE FORM****(Performance Security Bank Guarantee on non-judicial stamp paper of Rajasthan Govt. of appropriate value)**

BG Issuing Bank: _____
 Address: _____
 E-mail & fax: _____

To,
 The Chief Engineer (Procurement),
 RVPN, Gate #3, Old Power House Premises,
 Banipark, Jaipur-302006

Dear Sir,

THIS DEED OF GUARANTEE is made this day _____ of the month _____ of the year _____ between the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., (which expression shall unless excluded by or repugnant to the context includes his successors, assignees and his authorized representatives, hereinafter called "The Purchaser") of the one part and the (the name of Bank with address) _____, having its Head office at _____ hereinafter called "The Bank" (which expression shall unless excluded by or repugnant to the context includes its successors and assignees) of the other part.

WHEREAS MESSERS _____ (hereinafter called "The Contractor"), having their/its Registered/Head office at _____, agreed to supply, the materials to the Chief Engineer, Rajya Vidyut Prasaran Nigam Ltd. against **LOA** No. _____ dated _____ (hereinafter referred to as the contract).

AND WHEREAS as per the terms of the contract it was provided that the contractor should furnish a Bank Guarantee towards performance security deposit equivalent to ____% of the total contract value by way of security for successful execution of LOA No. _____ Dated _____ and supplying any material free of cost that may be required due to defects arising from faulty materials, design and workmanship, so as to make it meet the guarantee and requirements of the contract.

AND WHEREAS at the request of the contractor the Bank has agreed to execute these presents.

NOW THIS INDENTURE WITNESS AND IT IS HEREBY AGREED AND DECLARED by the and between the parties hereto as follows:

1. The Bank hereby guarantees to the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., the fulfillment by the contractor of the various obligations imposed on him under the aforesaid contract including the obligations of the contractor to timely supply materials of the good quality, design and workmanship and the bank further guarantees to the Rajasthan Rajya Vidyut Prasaran Nigam Ltd., that the contractor shall substitute and supply any material free of cost that may be required due to defects arising from faulty material, design and workmanship and the Bank undertakes to indemnify and keep the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., indemnified to the extent of Rs. _____ (Rupees _____) against any loss or damage that may be caused to or suffered by the Rajasthan Rajya Vidyut Prasaran Nigam Ltd., by reason of any failure by the contractor to timely supply materials of good quality, design and workmanship as aforesaid and further undertake to pay to the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., on demand a sum not exceeding Rs. _____ (Rupees _____) in the event of the contractor failing or neglecting to perform and discharge the aforesaid duties and obligations on their part to be observed and performed under the said contract.
2. Payment pursuant in this undertaking will be demanded by the purchaser from the Bank and will be met by the Bank without question in the case in which the contractor, on receipt of the order and/or after the acceptance of his Bid has been communicated to him by the purchaser, make default in entering into an agreement or having entered into such Agreement or otherwise the contractor makes default in carrying out the contract thereof. As to whether the occasion or ground is arisen for such demand the decision of the Chief Engineer including Additional Chief Engineer and any other officer exercising the powers of Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd. shall be final.
3. The decision of the Chief Engineer including Additional Chief Engineer and any other officer exercising the powers of Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., as to whether the contractor has failed or neglected to perform or discharge his duties and obligations as aforesaid and as to the amount payable to the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., by the Bank herein shall be final and binding on the Bank.

4. The guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said contract and it shall continue to be enforceable till all the obligations to the Rajasthan Rajya Vidyut Prasaran Nigam Ltd., under or by force of the contract have been fully and properly discharged by the said contractor, subject however, to the conditions that the Rajasthan Rajya Vidyut Prasaran Nigam Ltd., will have no right under this guarantee after ____ months from the date of receipt of last consignment **of last purchase order** at site/ store, whichever is earlier, provided further that if any claim arises by virtue of this guarantee before the aforesaid date, the same shall be enforceable against this bank notwithstanding the fact that the same is enforced after the aforesaid date.

5. The guarantee herein contained shall not be affected by any change in the constitution of the contractor or Bank.

6. No variation in the terms of bid, acceptance or agreement as between the contractor and the purchaser made without the purchaser's consent shall discharge this undertaking.

7. No indulgence or grant of time by the purchaser to the contractor without the acknowledgement of the Bank will discharge the liabilities of the Bank under this guarantee.

8. The Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., shall have the fullest liberty without affecting the guarantee to postpone for any time and from time to time any of the powers exercisable by the RVPN against contractor and either to enforce or forebear from enforcing any of terms and conditions of the said contract and the Bank shall not be released from its liability under this guarantee and exercise of the Rajasthan Rajya Vidyut Prasaran Nigam Ltd., of the liberty with reference to the matter aforesaid or by the reasons time being given to the contractor or any other forbearance, act or omission on the part of the Rajasthan Rajya Vidyut Prasaran Nigam Ltd., to the contractor or by any other matter or thing whatsoever which under the law relating to the sureties shall not for this provision have the effect of so releasing the bank from such liability.

9. The Bank further undertake not to revoke this guarantee during its currency except with the previous consent of the Chief Engineer, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., in writing.

10. All disputes arising under the said guarantee, between the Bank and the RVPN or between the contractor and the RVPN pertaining to this guarantee, shall be subject to the jurisdiction of Courts, only at Jaipur in Rajasthan alone.

11. Notwithstanding anything contained herein before, the Bank's liability under this guarantee is restricted to Rs. _____ (Rupees _____) and the guarantee shall remain in force upto _____. Unless demand or claim in writing is presented/ lodged on the Bank within six months i.e. upto _____, the Bank shall be released and discharged from all liabilities there under.

IN WITNESS WHEREOF THE BANK HAS executed these presents the day and year written above.

Yours faithfully,

Bankers (EXECUTANT)

Signed by the above named Bank in presence of: -

(Signature with full Name and Address)

Witness: -

1.

2.

Attested by Notary Public, First Class Magistrate or directly confirmed by the executing bank.

Annexure-PBQ**PRE-BID QUERIES FORMAT**

Name of the company/Firm

Bidding document fee Receipt No _____ dated _____ for Rs _____.

Name of Person(s) Representing the Company/Firm:

Name of person	Designation	E-mail-ID(s)	Tel Nos& Fax No

Company/Firm Contacts

Contact Person(s)	Address for correspondence	E-mail-ID(s)	Tel Nos& Fax No

Query/Clarification Sought MS(Excel Sheet Format)

S. No.	Bidder Name	ITB/GCC/ Specification clause No	Bid document page No	Clause details	Query/Clarificati on/ suggestion

(Signature)

Name & Designation with seal of the bidder

PERFORMANCE CERTIFICATE

It is to certify that M/s. _____ has supplied the following materials for the quantities indicated against each.

S. No.	Order no. & date	Designation & address of order placing authority/User	Description of material	Quantity	Name of S/S or line alongwith voltage rating where material installed	Date of commissioning	Performance of material.

The above mentioned material is installed in our system and its performance is found satisfactory.

Date of issuing _____

Signature of issuing authority with seal
 Name and Designation of issuing authority
 Address alongwith Phone No. and
 Fax of issuing authority

NOTE : In the cases where similar or higher voltage class with same operating principle material has been supplied to RVPN, the bidder shall furnish the details of such supplies in the above proforma which shall be signed by their authorized signatory alongwith seal and certificates is not required from the Purchaser/ User in respect of such supplies.

Annexure-PPP**Form A**

(Apply in Duplicate)

Application by MSME for Price Preference or Purchase Preference or both in Procurement of Goods

To,
The General Manager
DIC, District

1. Name of Applicant with Post:
2. Permanent Address:
3. Contact Details:
 - a. Telephone No.:
 - b. Mobile No.:
 - c. Fax No.:
 - d. Email Address:
4. Name of micro & small enterprise:
5. Office Address:
6. Address of Work Place:
7. No. & Date of Entrepreneurs Memorandum-II/UdyogAadhaarMemorandum:(enclose photo copy)
8. Products for which Entrepreneurs Memorandum-II/UdyogAadhaarMemorandum availed:
9. Products for which are at present being produced by the enterprise:
10. Products for which price preference or purchase preference or both has been applied for:
11. Production capacity as per Capacity Assessment Certificate
(enclose photocopy of Capacity Assessment Certificate)

Serial No.	Product	Production Capacity	
		Quantity	Value
1			
2			
3			
4			

12. List of Plant & Machinery installed

Serial No.	Name of Plant & Machinery	Quantity	Value

13. List of Testing Equipments installed

Serial No.	Name of Testing Equipments	Quantity	Value

14. Benefits availed as per price preference certificate in last financial year and current financial year

- a. Benefits depositing Bid Security and Performance Security:

Department	Last Financial Year		Current Financial Year	
	Bid Security	Performance Security	Bid Security	Performance Security

- b. Details of Supply orders received:

Department	Last Financial Year			Current Financial Year		
	No. & Date of purchase order	Amount for which purchase order received	Amount of goods supplied	Bid Security No. & Date of purchase order	Amount for which purchase order received	Amount of goods supplied

I declare that the above all facts given in the application are correct and my enterprise is producing the items mentioned in column No. 10.

Date

Signature

(Name of the applicant along with seal of post)
Office of the District Industries Centre _____

CERTIFICATE

File No. _____

Date _____

It is certified that M/s _____ was inspected by _____ on dated _____ and the facts mentioned by the enterprise are correct as per the record shown by the applicant. The enterprise is eligible for Price Preference or Purchase Preference or both under this notification.

The certificate is valid for one year from the date of its issue.

Office Seal

Signature

(Full Name of the Officer)
General Manager
Industries Centre
Rubber Seal/Stamp

Enclosure-(1) Application
(2)

PRE-QUALIFYING REQUIREMENT**PRE-QUALIFYING REQUIREMENT FOR PURCHASE OF 220V & 110V DC CONTROL AND DISTRIBUTION BOARD**

Qualification of bidder will be based on meeting the minimum pass/ fail criteria specified in table below regarding the Bidder's technical experience and financial position as demonstrated by the Bidder's responses in the corresponding Bid schedules.

The bidder shall be required to furnish the information as detailed here under:

S. No.	Proposed Provisions	Supporting document required to be furnished
1.	<u>BIDDER'S STATUS:</u>	
1.1	The bidder must be a company registered under the Companies Act, 1956/2013 or Proprietary firm or a Partnership firm.	i)Memorandum of Association, Registration Certificate as per the Companies Act, 1956/2013 or as per its latest amendment in case of Companies or Registration Certificate under Rajasthan Shop & Establishment Act, 1958 or similar Act in case of Proprietary firm or Registration Certificate from Registrar of Firms in case of Partnership firm
1.2	If Bidders belonging to or with beneficial ownership from countries sharing land border with India must be registered with the Industries Department of the Government of Rajasthan or Competent Authority of the Government of India or Bidders do not belonging to or with beneficial ownership from countries sharing land border with India	Registration Certificate with the Industries Department of the Government of Rajasthan or Competent Authority of the Government of India and shall be valid upto bid validity period. Undertaking on Rs. 50/- Stamp Paper of Rajasthan as per (Annexure-BEC)
1.3	The bidder should be registered under Goods & Services Tax Act.	Copy of GST Registration.
1.4	The bidder shall comply with the policy of Govt. of India issued vide Gazette Notification No. GSR 385(E) dt. 29.05.2019 for providing preference to domestically manufactured Iron & Steel Products in India	Undertaking on Rs. 500/- Stamp Paper of Rajasthan as per Form-1 (Annexure-DVA)
2.	<u>TECHNICAL EXPERIENCE:</u>	
2.1	The bidder must be a manufacturer of similar or higher voltage class of bided item having:	
a.	<u>Past Supply criteria:</u> The manufacture should have supplied directly or through his representative at least 80% 40% of the NIB quantity of similar or higher rating of bided item in any one year (i.e. continuous period of 12 months) during the last five years as on the date of technical bid opening.	Certificate from Chartered Accountant bearing membership number with the name & address of the Chartered Accountant. The certificate should clearly indicate the quantity supplied of material/ equipment, period of supply, name and address of the purchaser and end user. (Annexure-CCA)
b.	<u>Performance criteria:</u>	Duly self-attested performance certificates from the

	Satisfactory performance of at least 20% of NIB quantity of similar or higher rating of bided item for a continuous period of at least one year during last 5 years as on the date of technical bid opening.	purchaser/ end user clearly indicating the quantity supplied, date of commissioning, rating & voltage class of bided item. Statement showing above details regarding supplies made to RVPN of similar/ higher rating material. In such cases, the performance certificate from the users will not be insisted.
c	<p>Type Test Criteria:</p> <p>Valid Type test(s) of Sub-station transformers having KVA rating of 250 KVA or above and voltage class of 33 KV on HV side or above as specified in Clause No. 3.27 of volume-II of Bid document conducted at laboratory accredited by NABL/International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC-MRA) signatory agency (in case of foreign laboratory), accredited for the tests conducted.</p> <p>Type test(s) conducted at manufacturer's own laboratory accredited by NABL for the tests conducted, duly witnessed by representative of CPRI/PGCIL/RVPN/Govt. Agency, for offered material shall also be acceptable.</p> <p>However, in the following cases type test(s) can be conducted before commencement of supplies:</p> <ol style="list-style-type: none"> Where one or more type test(s) is/ are older than 5 years. Where new type tests have been added in the specification. Where some changes in respect of type test procedure of existing type tests have been introduced in the relevant standard. Where the new item is being purchased by Nigam for the first time. <p>Note: In case, the bidder fails to furnish the type test certificates before commencement of supplies as per delivery schedule (i.e. schedule-DEL), their bank guarantee/ DD /pay order will be invoked/ forfeited.</p>	<p>Duly self-attested copies of Type test certificate(s) not older than 05 years, as on the date of bid opening. For this purpose date of conducting type test will be considered.</p> <p>The Type test reports (ITRs) shall contain information like the ratings, the relevant drawings, model number, test circuit, calculations (if any), photos and compliance to the relevant standards (IS/IEC) etc. if required. The relevant clause of the standards (IS/IEC) according to which type tests have been conducted and acceptance criteria/values shall also be brought out clearly in the report.</p> <p>The bidder should furnish documentary evidence in support of the laboratory whose type test have been furnished, that the said laboratory is accredited by National Accreditation body of the country and tests have been witnessed by representative of NABL accredited laboratory/Power utility.</p> <ol style="list-style-type: none"> Undertaking stating that valid type test certificate as above shall be furnished before commencement of supplies without asking any delivery extension Bank guarantee from a Scheduled bank in prescribed proforma or DD / Pay order amounting to Rs. 15.0 lacs in lieu of Type test(s).
2.2	Authorized distributor or selling agent (bona-fide dealer) of the manufacturers may also participate provided the manufacturer fulfills the qualifying requirements mentioned above at 2.1(a to c).	<ol style="list-style-type: none"> Manufacturer's authorization certificate in prescribed proforma in favour of the bidder furnishing the bid Documents in respect of manufacturer fulfilling the qualifying requirements
3.	FINANCIAL POSITION	
3.1	The bidder shall meet Minimum Average Annual Turnover (MAAT) for best three (3) financial years out of last five (5) financial years equal to 1.5 times of estimated cost divided by completion period in years i.e. Rs. 196.133 Lacs	Audited balance sheets and income statement or CA Certificate

3.2	The bidder shall have Liquid Assets (LA=Current Assets-inventories) or/and evidence of access to or availability of credit facilities equal to 3 times of estimated cost divided by completion period in months i.e. Rs. 32.68 Lacs.	(i) Audited balance sheets and income statements or CA certificate. (ii) For credit facilities: Certificate from bank as per Annexure-CR
3.3	<p>Net-worth The Networth (Total Assets—Total Liability) of the Bidder/manufacturer for last three financial years (FY18-19, FY19-20 & FY20-21) should be positive.</p> <p>The Net worth of the bidder on the last day of the preceding financial year should not be less than 100% of the bidder's paid up share capital.</p>	Audited balance sheets and income statement or Certificate by Chartered Accountant.
4.	<u>DISQUALIFICATIONS:</u>	
4.1	The bidder should be qualified, not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended, should not be black listed or debarred by any utility /Government Agency, should not have conflict of interest.	Schedule-DRQ
4.2	<p>POOR RECORD OF AFTER SALES SERVICE & PERFORMANCE: RVPN reserves the right to reject any bid on the basis of poor after sales service and/or performance of the material supplied by the bidder or authorising manufacturer against the previous orders. For this purpose the orders executed up to the last five years (as on the date of bid opening) for the same item of any rating/ type in RVPN shall be considered.</p>	Statement showing orders executed in last Five years.

Annexure-TTBG**BANK GUARANTEE IN LIEU OF FURNISHING TYPE TEST CERTIFICATE**

(On Rajasthan Non Judicial Stamp paper appropriate value as required under the Rajasthan Stamp Duty Act)

BG Issuing Bank: _____

Address: _____

E-mail & fax: _____

To,

The Chief Engineer (Procurement),
RVPN, Gate #3, Old Power House Premises,
Banipark, Jaipur-302006

Dear Sir,

Whereas Rajasthan RajyaVidyutPrasaran Nigam Ltd, Jaipur (hereinafter called the purchaser) has issued a bid enquiry under BN-_____ for procurement of _____ (name of materials).

Whereas M/s _____(hereinafter called the bidder) has furnished a bid for supply of _____to the Chief Engineer (Procurement), Rajasthan RajyaVidyutPrasaran Nigam Ltd, Jaipur or his nominated officer(s).

Whereas in accordance with the provisions of the specification of the aforesaid BN-_____, the bidder can deposit a bank guarantee in lieu of the requirement of furnishing the type test report.

Whereas, M/s _____ (the bidder) have requested us (name of the bank) to furnish the bank guarantee, in lieu of the type test report, for an amount equivalent to Rs. _____(in words also) only.

Under this bank guarantee, we (name of the bank) hereby undertake unconditionally and irrevocably to guarantee as primary obligatory and not as surety merely, the payment to the purchaser on his first demand without whatsoever right of objection on our part and without his first claim to the bidder, in the amount not exceeding (amount of guarantee in figures and words) _____.

Payment pursuant in this undertaking will be demanded by the purchaser from the bank and will be met by the bank without question in the case in which the bidder, on receipt of the order and / or after the acceptance of this bid, makes default in furnishing the required type test reports. As to whether the occasion or ground has arisen for such demand the decision of the Chief Engineer(Procurement), Rajasthan RajyaVidyutPrasaran Nigam Ltd, Jaipur or any other officer exercising the powers of Chief Engineer, Rajasthan RajyaVidyutPrasaran Nigam Ltd, shall be final.

The liability of the bank shall not at any time exceed Rs. _____ (Rs. in words).

The under taking will be determined on _____ but will not withstanding such determination, continue to be in-force till the expiry of 3 months from that date.

No indulgence or grant of time by the purchaser to the bidder without the acknowledgement of the bank will discharge the liabilities of the bank under guarantee.

The guarantee herein contain shall not be affected by any change in the constitution of the bidder.

All disputes arising under the said guarantee between the bank and the Nigam or between the bidder and the purchaser pertaining to the guarantee shall be subject to the jurisdiction of courts only at Jaipur in Rajasthan.

The bank further undertakes not to revoke this guarantee during its currency except with previous consent of the CE (Procurement), RVPN, Jaipur.

Notwithstanding anything contain herein before, the bank's liability under this guarantee is restricted to Rs. _____ (Rupees in words) and the guarantee shall remain in force up to _____. Unless demand or claim in writing is presented on the bank within 3 months from that date the bank shall be released and discharge from all liabilities there under.

IN WITNESS WHEREOF the Bank has executed these presents the day_____ month _____ and year _____.

Yours faithfully,

(Bankers)
Executant

Witness:

- 1.
- 2.

ATTESTED BY NOTARY PUBLIC.

Note: - The Bank Guarantee should be valid for a minimum period of 9 (nine) months from the date of opening of Technical Bid.

ADDITIONAL INFORMATION

Schedule- AI

DELETED

Schedule- ACC

Additional Conditions of Contract

(Must be signed by the bidder and attached with Techno-commercial Bid)

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- (i) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- i) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- ii) The purchaser reserve the right to place repeat order for extra items or additional quantities as per Rule No. 73 of RPPP Rule-2013 on the same prices, terms and conditions of the original order. The delivery period for such extra/ additional items shall be increased proportionately as per delivery period indicated in Schedule-DEL of the bid document.

3. The performance guarantee period of 250 KVA, 33/0.415 KV COPPER WOUND NATURAL COOLED SUB-STATION TRANSFORMERS AND COMPLETE ACCESSORIES shall be 36 months from the date of supply of last consignment or 30 months from the date of commissioning whichever is earlier, irrespective of guarantee period indicated in GCC (Part-III of Volume-I).

(Bidder's Signature)
Name & Designation with seal of the bidder

Schedule-BD**PARTICULARS OF PARTICIPATING BIDDER**

Participating bidder shall furnish following information in Separate sheet / statement along with Techno-Commercial bid to be opened on scheduled date of Bid opening.

S. No.	Description	Details to be filled by Bidder
1	Name & Address	
2	Details to be furnished:	
i)	Full Legal Name	
ii)	Full Address of	
a.	Registered office	
b.	Office where to corresponded:	
iii)	Authorized Contact Person(s): (Power of Attorney to be enclosed)	
iv)	Phone No. and Mobile No.	
v)	Telex No.	
vi)	Telefax No./Email	
vii)	Nature of registration of agency. (Whether sole/proprietor/ partnership/ private limited/ public limited).	
viii)	Memorandum of Understanding and Articles of Association of the Agency.	
NOTE: - Please furnish documents in support of the above, wherever necessary.		

Place

Signature
Name
Status

Whether authorised attorney
of the Biding company

Name of the Biding company

Schedule-BOQ

AVAILABLE ONLINE IN EXCEL FORMAT

Schedule-DEL**DELIVERY SCHEDULE**

The delivery schedule of 250 KVA, 33/0.415 KV COPPER WOUND NATURAL COOLED SUB-STATION TRANSFORMERS AND COMPLETE ACCESSORIES shall be as mentioned here under:

S No.	Particulars of Material	Quantity (In Nos)	Commencement Period	Delivery Schedule
1.	250 KVA, 33/0.415 kV copper wound natural cooled sub-station transformers and complete accessories.	37	From the date of issue of respective Purchase Order	50% quantity within 03 (Three) months from the date of issue of Purchase Order. Balance 50% quantity within 02 (Two) months from the date of issue of Purchase Order.

Note:-

- (i) The contractual formalities shall be got completed within a period of 30 days from the date of receipt of LOA.
- (ii) The above delivery schedule can be revised by the purchaser at his discretion.

(Signature)
Name & Designation
with Seal of the firm

Schedule-DEV**(A) DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

(Must be filled in by the bidder and attached with Techno-commercial Bid)

The bidder shall state under this schedule the departure from the bid document in respect of technical conditions:-

S. No.	Name of the item	Purchaser's bid document clause reference	Existing provision	Modification desired	Remarks

Certified that we agree to all technical specification as laid down in the bid document except for the deviations to the extent indicated above.

(B) DEPARTURE/DEVIATION FROM COMMERCIAL TERMS & CONDITIONS OF THE BID DOCUMENT

(Must be filled in by the bidder and attached with Techno-commercial Bid)

The bidder shall state under this schedule the departure from the bid document in respect of commercial terms & conditions:-

S. No	Name of the item	Purchaser's bid document clause reference	Existing provision	Modification desired	Remarks

Certified that we agree to all commercial terms & conditions as laid down in General conditions of Contract to the bid document except for the deviations to the extent indicated above.

Note : Deviations indicated elsewhere will be ignored.

(Signature)

Name & Designation with seal of the bidder

Schedule-DRO**DECLARATION BY THE BIDDER REGARDING QUALIFICATIONS**

(Must be filled in by the bidder and attached with Techno-commercial Bid)

In relation to my/our Bid submitted to _____ for procurement of _____ in response to their Notice Inviting Bids No. _____ dated _____, I/we hereby declare under Section 7 of THE Rajasthan Transparency in Public Procurement Act,2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled his obligation to pay the taxes payable to Government viz. GST etc.;
3. I/we are not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment **or blacklisting proceedings by any utility / Govt. agency;**
5. I/we do not have a conflict of interest as has been specified in the RPPP Act/ Rules;

Date:
Place:

Signature of bidder
Name:
Designation:
Address:

Schedule-FG

GUARANTEED LOSSES / FUNCTIONAL GUARANTTEE

Deleted/Not Applicable

Schedule-GTP

**GUARANTEED TECHNICAL AND OTHER PARTICULARS FOR 250 KVA, 33/0.415 KV
COPPER WOUND NATURAL COOLED SUB-STATION TRANSFORMERS AND
COMPLETE ACCESSORIES BN-9016002222**

NOTE: Incomplete furnishing of information under this schedule will make the Bid quotations liable to be rejected.

			For 250 KVA, 33/0.415 KV Station Transformer
S No.	Particulars	Unit	
1	Manufacturer's name :		
	a) Postal address.		
	b) Works address.		
	c) Contact person.		
1(a)	Type, make & country of origin.		
2(A)	Rated voltages.		
	a) Voltage between phase on HV side at no load	KV	
	b) Voltage between phase on LV side at no load	KV	
2(B)	Rated current:		
	a) Rated HV current	Amps	
	b) Rated LV current	Amps	
3	Continuous Maximum rating (CMR) under peak ambient air temperature 50 Deg.C with temp. rise as per item 7	KVA	
4	a) Over load for time of one hour	Min	
	b) 20% overload duration	Min	
	c) 10% overload duration	Min	
5	Method of connections:		
	i) H.V.		
	ii) L.V.		
6	Vector group reference.		
7	Maxm. temp. rise obtained by the transformer when run at the max. continuous rating at a peak ambient temp. of 50 Deg.C		
	a) Of winding by resistance	Deg C	
	b) Of oil by thermometer	Deg C	
	c) Hottest spot temp.	Deg C	
8	Type of cooling.		
9	Indoor/Outdoor installation.		
10	Range of voltage variation.		
11	% Variation of steps & No. of steps/positions.		
12	Is volts/turn constant regardless of tap position.		
13	Magnetising current in Amp. & power factor at rated voltage and frequency.		

14	Max. Guaranteed No load loss at rated current, rated frequency & rated voltage	KW	
15	Max. Guaranteed Total loss at 50% Load at rated current, rated voltage and rated frequency at a ref. temp. of 75 °c	KW	
	b) Max. Guaranteed Total loss at 100% Load at current, voltage, rated frequency at 75 deg.C.	KW	
	c) Max. total guaranteed loss at max.current, rated voltage and rated freq. at 75 deg.C (for heat run test only)	KW	
16	a) Resistance of H.V. winding per phase at 75 deg.c. (App.at normal tap)	Ohm	
	b) Resistance of L.V.Winding per phase at 75deg.C.	Ohm	
17	a) Efficiency at 75 deg.C.		
	a) Unity power factor.		
	i) 100% load	%	
	ii) 75% load	%	
	iii) 50% load	%	
	iv) 25% load	%	
	b) Maxm. efficiency & corresponding %age loading at which occurs	%	
	c) At 0.8 power factor.		
	i) 100% load	%	
	ii) 75% load	%	
	iii) 50% load	%	
	iv) 25% load	%	
18	Reactance drop at rated current & rated frequency	%	
19	Impedance drop on full load	%	
	at 75 deg.C.		
	a) At normal Tap.		
	b) At Max Tap.		
	c) At min. tap.		
20	Duration of thermal short circuit with reference to impedance voltage(Sec)		
21	Regulation on full load:		
	a) at unity power & temp.of 75 degree C (%)		
	b) at 0.8 power factor & temp of 75 degree C (%)		
22	Impulse strength on 1.2/50 μ s in KV (Peak)		
	i) Of H.V. winding		
	ii) Of L.V. winding		
23	Power frequency withstand voltage of		
	i) HV winding KV rms	KV rms	
	ii) LV winding KV rms	KV rms	

24	Minm. clearance to earth.		
	a) of Primary winding. (mm)		
	i) in oil		
	ii) out of oil		
	b) of Secondary winding.(mm)		
	i) in oil		
	ii) out of oil		
	c) Width oil duct between (mm)		
	i) Core & LV		
	ii) LV & HV		
	iii) Out of oil.		
25	Whether oil temperature indicator with alarm contacts provided		
26	Make, type & size of oil temperature indicator		
27	Make, type & size of plane oil level guage		
28	No. of breathers provided & type thereof		
29	Type of dehydrating agent used for breathing & quantity		
30	Outline dimensions.		
	i) Over all height. mm		
	ii) Over all length. mm		
	iii) Over all breadth. mm		
31	Tank Dimensions.		
	i) Height. mm		
	ii) Length. mm		
	iii) Breadth. mm		
32	Weights in Kg of		
	a) Transformer core.	KG	
	b) Copper	KG	
	c) Transformer core coils & insulations	KG	
	d) Tank and fittings	KG	
	e) Oil	KG	
	f) Transformer complete with oil	KG	
33	Oil.		
	a) Qty. required for first filling		
	i) Total	Ltr.	
	ii) In radiators	Ltr.	
	iii) In conservator	Ltr.	
	b) Class and specification to which it conforms		
	c) Make ,type,& brief description		
34	Particulars of tap changing device/tap changer.		
	a) Make, type & brief description		
	b) Is an indication arrangement fitted to show the voltage which the tap in circuit gives off.		
	c) Can it be locked in position.		
	d) Position of tap changing wheel on the transformer.		
	e) % variation of OFF load tap changing switch		
	f) No. of steps/position.		

35	Accessories and list of fittings with each transformer		
36	i) Minimum electrical clearance between phases		
	a) H.V. mm		
	b) L.V. mm		
	ii) Minimum taugt string electrical clearance between phase and earth in air		
	a) H.V. mm		
	b) L.V. mm		
37	Whether painting at site is required and provided for		
38	Maximum out of balance force in windings on short circuit with external reactance zero.		
39	i) Magnetising current and power factor at 110% rated voltage and rated frequency in Amps.		
	ii) Neutral unbalanced current.		
40	No load loss at 110% of rated voltage and rated frequency in KW		
41	a) Maxm.flux density at normal voltage and frequency.	Lines/c m sq	
	b) Maxm. flux density 110% of normal voltage and frequency	Lines/c m Sq	
	c) Time capability of the transformer to withstand 110% of normal voltage and frequency		
42	WINDING DETAILS.		
	a) Max. current density in winding		
	i) H.V. winding Amps./Sq.mm. (all parts including tapped winding min. tap)		
	ii) L.V. winding amps./Sq.cm.		
	b) No. of HV coils/phase		
	c) No. of LV coils/phase		
	d) No. of turns/coil (HV)		
	e) No. of turns/coil (LV)		
	f) Weight of HV coil Kg.	Kg	
	g) Weight of LV coil Kg.	Kg	
	h) Voltage per coil (HV)	V	
	i) Voltage per coil (LV)	V	
43	Type of transformer shell or core		
44	Type of winding ;		
	a) H.V.		
	b) L.V.		
45	Type of axial coil supports		
46	Type of radial coil supports		
47	Type of Insulation used.		
	a) Core Bolts.		
	b) Core washers		
	c) Core laminations.		

48	End clearance from top of HT coil to yokes	mm	
49	Cooling arrangement.		
	a) Nos. of radiators on HV side		
	b) Nos. of radiators on LV side		
50	Material used for gasket.		
51	Fittings and parts to be detached for transport		
52	Material and size of relief outlet diaphragm		
53	Type of Tank.		
54	Thickness of mild steel plate used for the constructions of tank		
	i) Side Walls. mm	mm	
	ii) Top cover. mm	mm	
	iii) Bottom plate. mm	mm	
55	Type of Insulation used.		
	a) HV Conductor.		
	b) LV Conductor.		
	c) LV to core.		
	d) LV to HV.		
	e) Tapings.		
	f) Tapping connections.		
56	Section of copper used.		
	a) for HV winding mm sq.		
	b) for LV winding mm sq.		
57	Type terminal arrangement.		
58	Grade of core laminations used with its thickness and its specific core loss	(Watt/Kg)	
59	i) Make & Type of bushing.		
	a) H.V.		
	b) L.V.		
	c) Neutral		
	ii) Creepage distance of bushing.		
60	Reference No. and voltage class to which the bushing conform.		
	a) H.V.		
	b) L.V.		
	c) Neutral		
61	State whether the transformer comply fully with this specification and its requirement		

NOTE: The content and order of particulars of the GTP shall not be changed by bidder.

(Signature)
Name & Designation
with Seal of the firm/bidder.

Schedule-PEP**PREVIOUS EXPERIENCE AND PERFORMANCE**

(Must be filled in by the bidder and attached with Techno-commercial Bid)

The bidder shall state under this schedule whether materials and equipments, similar to those offered in the bid have been previously supplied by him. A list shall be given of such orders executed by him together with the information regarding the name of purchasing organization, quantities supplied and when the supplies were effected. This list should be in the form given below:

S. No.	Detailed particulars of item supplied	Qty (Nos.)	Order No. & Date	Name & details of Purchasing authority	Date of completion	If executed partially, mention Qty (Nos.)	Whether still to be executed	Delivery stipulated in PO	Remarks
1	2	3	4	5	6	7	8	9	10

It is certified that the information furnished above is correct to the best of my knowledge and we are liable for action if any information is found incorrect.

Note :- Separate schedule are to be furnished by the bidder for past supply to the RVPN (Erstwhile RSEB), other state electricity Nigam and other department/ organization.

(Signature)

Name & Designation with seal of the bidder

Schedule-PMTT**PLANT/MACHINERY AVAILABLE**
(TO BE FILLED IN AND SIGNED BY THE BIDDER)

Bidder's Name & Address:

Schedule of plant/machinery available with the Bidder for use in the manufacture of material/ Equipment and testing

S. No.	Description of Plant/ Machinery & testing equipment	Make	Age & condition	Location where installed	Remarks
1.	2.	3.	4.	5.	6.

PlaceSignature
Name
StatusWhether authorised attorney
of the Bidding company

Name of the Bidding company

Schedule-PV**PRICE VARIATION CLAUSE AS PER IEEMA PRICE VARIATION FORMULA**

CIN No. U99999MH1970GAP014629



Indian Electrical & Electronics Manufacturer's Association
 501, Kakad Chambers
 132, Dr. A. B. Road, Worli,
 Mumbai 400 018.
 India

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 E mumbai@ieema.org
 W www.ieema.org

IEEMA/PVC/DIST_CU_upto 2.5 MVA/2021

Effective from: 01 September 2021

**PRICE VARIATION CLAUSE FOR COPPER WOUND DISTRIBUTION TRANSFORMERS COMPLETE
 WITH ALL ACCESSORIES AND COMPONENTS**

(For single & three phase of ratings up to and including 2,500 KVA and voltage class up to 33 KV)
 supplied against domestic contracts

This price variation clause is applicable for 'Copper Wound Distribution Transformers', with rating up to and including 2,500 KVA and voltage class up to 33 KV supplied against domestic contracts. A separate price variation clause IEEMA/PVC/DIST_CU_upto 2.5 MVA/DE/2021 has been evolved for above types of Transformers supplied against export/deemed export contracts under special imprest licensing scheme.

The price quoted/confirmed is based on the input cost of raw materials/components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw materials and all India average consumer price index number for industrial workers as specified in the price variation clause given below. In case of any variation in these prices/indices, the price payable shall be subject to adjustment, up or down in accordance with the following formula:

$$P = P_0 / 100 (7 + 41 C/C_0 + 23 ES/ES_0 + 10 IS/IS_0 + 5 IM/IM_0 + 8 TO/TO_0 + 6 W/W_0)$$

Wherein,

P = Price payable as adjusted in accordance with the above formula.

P₀ = Price quoted/confirmed.

C₀ = Price of CC copper rods (refer notes)

This price is as applicable for the month, ONE month prior to the date of tendering.

ES₀ = Price of CRGO Electrical Steel Lamination (refer notes)

This price is as applicable for the month, ONE month prior to the date of tendering.

IS₀ = Price of HR Coil of 3.15 mm thickness (refer notes)

This price is as applicable for the month, ONE month prior to the date of tendering.

IM₀ = Price of Insulating Materials (refer notes)

This price is as applicable for the month, ONE month prior to the date of tendering.

TO₀ = Price of Transformer Oil (refer notes)

This price is as applicable for the month, ONE month prior to the date of tendering.

W₀ = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2016 = 100)

This index number is as applicable for the month, THREE months prior to the date of tendering.

For example, if date of tendering falls in December 2021, applicable prices of Copper (C₀), Transformer Oil (TO₀), CRGO Steel Sheets (ES₀), HR Coil (IS₀) and Insulating material (IM₀) should be as on 1st November 2021 and all India average consumer price index no. (W₀) should be for the month of September 2021.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/PWR_DIST_TRF (R-1)/_/ _ ONE month prior to the date of tendering.

C = Price of CC copper rods (refer notes)

This price is as applicable for the month, ONE month prior to the date of delivery.

ES = Price of CRGO Electrical Steel Lamination (refer notes)

This price is as applicable for the month, ONE month prior to the date of delivery.

IS = Price of HR Coil of 3.15 mm thickness (refer notes)

This price is as applicable for the month, ONE month prior to the date of delivery.

IM = Price of Insulating Materials (refer notes)

This price is as applicable for the month, ONE month prior to the date of delivery.

TO = Price of Transformer Oil (refer notes)

This price is as applicable for the month, ONE month prior to the date of delivery.

W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2016 = 100)

This index number is as applicable for the month, THREE months prior to the date of delivery.

For example, if date of delivery in terms of clause given below falls in December 2022, applicable prices of Copper (C), Transformer Oil (TO), CRGO Steel Sheets (ES), HR Coil (IS) and Insulating material (IM) should be as on 1st November 2022 and all India average consumer price index number (W) should be for the month of September 2022.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/PWR_DIST_TRF (R-1)/_/ _ ONE month prior to the date of delivery.

The date of delivery is the date on which the transformer is notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes:

(a) All prices are exclusive of GST amount and exclusive of any other central, state or local taxes etc.

(b) Date of Tendering is the due date of tender submission or date of tender opening whichever is earlier

(c) The details of prices are as under:

1. Price of 8 mm CC copper rods (in Rs./MT) is ex-works price as quoted by the primary producer.

2. The price of CRGO Electrical Steel Lamination suitable for Transformers of voltage up to 33 KV is the average price as quoted by processing centres of mills and lamination suppliers

3. Price of steel is the average retail price of HR Coil 3.15 mm thickness as published by Joint Plant Committee (JPC) in Rs./MT.

4. The average price of Insulating materials (in Rs./Kg) of pre-compressed pressboards of size 3 mm and 10 mm thick, 3200 mm x 4100 mm C&F price in free currency per MT converted into Indian Rupees with applicable exchange rates prevailing as on 1st working day of the month as quoted by primary suppliers. This price is the landed cost, inclusive of applicable customs duty only but exclusive of countervailing duty.

5. The price of Transformer Oil (in Rs./K.Ltr) is the average price on ex-refinery basis as quoted by primary producers for supply in drums.

ADDENDUM/CRRIGENDUM TO G.C.C.(Volume-I, Part-III)
Clause No.1.42 price and terms of payment

The following is added under clause No.1.42.2

STANDARDIZATION OF PRICE VARIATION CLAIMS

a) When the material is offered within stipulated delivery Schedule :

For allowing P.V. the date of delivery shall be considered the date on which material is notified as being ready for inspection (date of receipt of inspection call in the office, if the offered material is lying ready) or the date of actual delivery, which ever is beneficial to the Nigam.

b) When the material is offered after expiry of stipulated delivery schedule :

For allowing P.V. in the cases the supplies are made after the expiry of scheduled delivery, the price prevailing in the last month of the stipulated scheduled delivery or the date on which material is notified as being ready for inspection (date of receipt of inspection call in the office if the offered material is lying ready) or actual date of delivery whichever is beneficial to Nigam.

c) When the material is offered ahead of delivery schedule on the request of RVPN :

Normally supplies ahead of delivery schedule shall not be accepted. However, in case of urgency of material , if supplies are accepted ahead of delivery schedule , PV shall be allowed on the basis the material is notified as being ready for inspection (date of receipt of inspection call in the office if the offered material is lying ready) or the actual date of delivery whichever is beneficial to Nigam.

d) When the material is offered ahead of delivery schedule by firm at their own and accepted by RVPN on the request of firm:

Normally the request of the firm to accept the material ahead of delivery schedule will not accepted. In case firm offers supplies ahead of delivery schedule at their own and such request is accepted by RVPN , the price prevailing in the first months of stipulated delivery schedule or the date on which material is notified as being ready for inspection(date of receipt of inspection call in the office if the offered material is lying ready) or actual date of delivery whichever is beneficial to Nigam shall be allowed.

Note: In case IEEMA changes the applicable formula/indices for price variation during the pendency of the contract for any item, the same shall be applicable, provided if during pendency of the contract when both old and new price indices are being circulated, in such circumstances the lower of the price variation evaluated as per both old and new formula/indices, whichever is beneficial to Nigam, shall be admissible to the supplier(s), and for the period from which the old indices are discontinued, the price variation shall be admissible as per the new PV formula with new indices.

Schedule-QD**Qualification Data**

S. No.	Qualifying Requirement criteria	Documents furnished	Page No.
1	<p>BIDDER'S STATUS: (Tick appropriately)</p> <ul style="list-style-type: none"> • Company registered under the Companies Act, 1956/2013 • Proprietary firm • Partnership firm <ul style="list-style-type: none"> • If Bidders belonging to or with beneficial ownership from countries sharing land border with India must be registered with the Industries Department of the Government of Rajasthan or Competent Authority of the Government of India or Bidders do not belonging to or with beneficial ownership from countries sharing land border with India <ul style="list-style-type: none"> • The bidder shall comply with the policy of Govt. of India issued vide Gazette Notification No. GSR 385(E) dtd. 29.05.2019 for providing preference to domestically manufactured Iron & Steel Products in India 	<p>Memorandum of Association</p> <p>Registration Certificate</p> <p>Copy of GST Registration</p> <p>Registration Certificate with the Industries Department of the Government of Rajasthan or Competent Authority of the Government of India and shall be valid upto bid validity period.</p> <p>Undertaking on Rs. 50/- Stamp Paper as per (Annexure-BEC)</p> <p>Undertaking on Rs. 500/- Stamp Paper as per Form-1 (Annexure-DVA)</p>	
2	<p>TECHNICAL EXPERIENCE: Whether bidder is a manufacturer of similar or higher rating of bided item(Yes/ No)</p> <p>Past Supply criteria:</p> <p>Past Performance Criteria:</p> <p>Type Test Criteria:</p> <p>Reason for submission of type test BG</p> <ul style="list-style-type: none"> (i) Where one or more type test (s) is/are older than 10 years. (ii) Where new type tests have been added in the specification. (iii) Where some changes in respect of type test procedure of existing type tests have been introduced in the relevant standard. (iv) Where the new item is being purchased by Nigam for the first time. 	<p>Certificate from Chartered Accountant.</p> <p>Performance certificates (Annexure-PC)</p> <p>Type test certificate(s) / Type Test BG</p> <ul style="list-style-type: none"> • Undertaking • Bank guarantee details 	

S. No.	Qualifying Requirement criteria	Documents furnished	Page No.
3	FINANCIAL POSITION:	<ul style="list-style-type: none"> • Audited balance sheets and income statement • Certificate by Chartered Accountant. • For credit facilities: Certificate from bank as per Annexure-CR 	
4	Bidder's Declaration	Schedule-DRQ	

Schedule-STT**SPECIAL TOOLS & TACKLES FOR MAINTENANCE**

Bidder's Name & Address:

To,
 The Superintending Engineer (Procurement-II)
 RVPN,
 Jaipur.

We hereby furnishing below the list of special tools & tackles for maintenance of equipment for the subject Item.

Sr. No.	For Equipment	Item Description	Unit	Quantity

Date : (Signature)

Place : (Printed Name)

(Designation)

(Common Seal)

Schedule-TP

TECHNICAL PERSONNEL OF BIDDER
(TO BE FILLED IN AND SIGNED BY THE BIDDER)

Bidder Name and Address

S. No.	Description	Name	Length of service in the firm	Qualification	Professional experience and details of work carried out	Remarks
1.	2.	3.	4.	5	6.	7.

Place

Signature
Name
Status

Whether authorised attorney
of the Bidding company

Name of the Bidding company

VOLUME-II

TECHNICAL SPECIFICATION FOR, MANUFACTURING AND TESTING OF 250 KVA 33/0.415 KV SUB-STATION TRANSFORMERS

3.01 SCOPE :

This specification covers the design, manufacture, stage inspection and testing at the manufacturer's works before dispatch, supply and delivery at the destination stations anywhere in Rajasthan, of the transformer having ratings as mentioned in the bid specification.

3.02 CLIMATIC CONDITIONS :

Max. ambient air temperature.	: 50 degree C.
Max. daily average ambient temp.	: 45 degree C.
Max. yearly weighted ambient temp.	: 35 degree C.
Min. ambient air temp.	: (-) 5 degree C.
Max. relative humidity.	: 90%.
Min. relative humidity.	: 10%.
Height above main sea level	: Less than 1000 mtr.
Dust storms are liable to occur during the period	: March to July
Average no. of thunder storm days/annum.	: 40 days
Average annual rainfall.	: 10 cm to 100 cm.
Average no. of months of tropical monsoon conditions	: 4 months(June to Sept)
Seismic Level Horizontal acceleration	: 0.3 g
Degree of pollution	: Heavy
Intensity of solar radiation	: 1.0 KW/Sq.M
Max. wind load	: 195 Kg/ Sq.M

3.03 GENERAL REQUIREMENTS :

The intention of the specification is to provide information for the design of the above mentioned transformers to be fully suitable in every respect for the functions designated. It is required that the supplier in accepting the contract agrees to furnish all apparatus, appliance and material whether specifically mentioned or not, but which may be found necessary to complete, perfect, or test any of the herein specified units in compliance with the requirements implied in this specification without extra charges.

- 3.03.1 All terminal screws, studs, nuts and bolts shall be in accordance with the Indian Standards.
- 3.03.2 All electrical and mechanical equipment shall be designed and manufactured so that no damage will result from transportation, installation and operation of the equipment under the climatic conditions to which it will be subjected.
- 3.03.3 All materials used shall conform to this specification and appropriate standards and shall be new in all respects.
- 3.03.4 Consideration may be given to alternatives which the supplier considers advisable by reason of his own manufacturing requirements and experiences, provided descriptive matter is submitted and the recommended device or arrangement equal to or superior to that required by the accompanying specification and if the purchaser is convinced of the quality and/or superiority of the equipment.

3.04 STANDARDS:

The transformers, their accessories and fittings, transformer oil, etc. shall conform to the latest edition of the following standards (as amended upto date) except where specified otherwise in this specification:

1)	Transformer.	IS:2026 and IS-1180 (Part-1)2014: Outdoor type oil immersed Distribution Transformers upto and including 2500 KVA,33 KV
2)	Transformer oil.	IEC:60296/IS1866
3)	Bushings.	IS: 2099, 3347, 8603
4)	Fittings and accessories for transformers.	IS:3639

5)	Code of practice for selection installation & maintenance of transformer.	IS:10028
6)	Guide for loading of oil immersed transformers.	IS:6600
7)	Method of impulse voltage testing	IS:2070

- 3.04.1 Equipment meeting the requirements of any other authoritative standards which ensures a quality equal to or better than that as per the standards mentioned above, shall also be acceptable. Where the equipment conforms to any other standards, salient points of difference between the standards adopted and the specified standards shall be clearly brought out in the bid.

3.05 DEPARTURE FROM SPECIFICATION:

Should the bidder wish to depart from the specification in any respect, he should draw attention to such departures, stating the reasons there of under schedule VI. Unless this is done the departmental specification will hold good. In the event of this specification and contractor's drawings, specification, table etc. being found to disagree during the execution of the contract, the requirement of this specification shall be held as binding unless the departures have been duly approved in writing by the purchaser.

3.06 TROPICAL TREATMENT:

Under the climatic conditions prevalent at the site, the equipment supplied under the specification will be subjected to operation under the ambient temperature specified under clause 3.02 and very high relative humidity. All equipments shall, therefore be suitably designed and tested for normal life and satisfactory operation under the worst climatic prevalent at the site and shall be dust and vermin proof. All parts and surfaces which are subjected to corrosion shall be made of such material and shall be provided with such protective finishes as would protect the equipment installed from any injurious effects of excessive humidity. All electrical auxiliary equipment shall be specifically tested for tropical conditions and the materials for this treatment shall be as per modern engineering practices.

3.07 ELECTRICITY RULES:

All work shall be carried out in accordance with the latest edition of the Indian Electricity Act and rules formed there under and as amended from time to time.

3.08 TYPE AND RATING:

- 3.08.1 The transformers shall be of copper wound 250 KVA, **33/0.415** KV, 3 phase, natural cooled, double wound, core type construction, oil immersed and shall be suitable for outdoor service as step-down transformers (At times however these may be required to work under reversal of power also).

- 3.08.2 The tentative requirement of **33/0.415** KV Sub-Station Transformers with off circuit tap changer (OCTC) are given below.

<u>Rating</u>	<u>Tentative quantity</u>
250 KVA	37 Nos.

The quantity may however increase/decrease to any extent.

- 3.08.3 These transformers may be required to run in parallel with existing transformers of the similar capacity. The technical particulars of transformers required are as under:

i)	Maximum continuous rating at reference ambient temperature specified under clause 3.02	250 KVA
ii)	Frequency	50 Hz
iii)	No. of phases	3 phase
iv)	Rated primary Voltage on principal tap	33 KV
v)	Rated secondary Voltage	0.415 KV
vi)	Winding connections: a) HV side b) LV side c) Vector group reference	Delta Star Dyn11
vii)	Type of cooling	ONAN

viii)	Percentage impedance at normal voltage & 75 deg.C average winding temp. between HV-LV with tolerance as per ISS.	4.5 %
ix)	Off circuit tap changer	Having 6 equal step (7 Position of 2.5 % each to have voltage variation of + 5% to -10% on HV side).
x)	Max. current density for HV & LV including tapped winding	3 Amp/mm sq(for Cu wound)
xi)	Neutral unbalance Current	Not exceeding 2.0%
xii)	Type of terminal	Vertical take off type Suitable for ACSR "Panther" conductor on HV Sides & suitable for connecting cable thimble 300 sq.mm cable on LV side.

3.09 EFFICIENCY:

The percentage loading for the max. efficiency shall be clearly stated in the bid at unity power factor as well as 0.8 p.f.

3.10 INSULATION:

3.10.1 The dielectric strength of the winding, given insulation and the bushings shall conform to the values given in IS:2026 (Part.III)/1981 (or its latest amendment) for highest system voltage of 36 KV,1.1 KV and shall be suitable for the following impulse test \ power frequency test voltages.

<u>SYSTEM VOL.</u>	<u>HST.SYSTEM VOL.</u>	<u>IMPULSE TEST VOL.</u>	<u>PF TEST VOL.</u>
33 KV	36 KV	170 KVp	70 KV
0.415 KV	1.1 KV	-	2.5 KV

3.11 TEMPERATURE RISE:

Each transformer shall be capable of operating continuously at their normal rating without exceeding temperature rise limits as specified below:

<u>Type of Cooling</u>		<u>Temp.rise</u>	<u>External Cooling Medium (Air)</u>
1. Winding (Temp. rise measured by resistance method)	ONAN	45 ^o C	When the oil circulation is natural non directed
2. Oil (Temp. rise measured by thermometer method)	As above.	40 ^o C	

The maximum ambient temperature for which the transformer shall be designed, shall be 50^o C (as per clause 3.02)

The transformer shall be capable of being over loaded in accordance of IS:6600/ 1972.

- i) Bushing and its terminal connectors shall have minimum continuous current rating corresponding to 120% rated current of transformer at lowest tap.

3.12 PARALLEL OPERATION:

The transformers covered by this specification are to run in parallel with transformers which are either already installed or are being installed (for same rating) and as such the characteristics of the transformers covered in this specification for the substation will be identical so as to enable these transformers to run in parallel.

3.13. IMPEDANCES:

The recommended percent impedance at 75^o C for 250 KVA shall be 4.50%.

3.14. GUARANTEES.

- 1.14.1 The bidders are required to offer the transformers having no load losses and load losses not exceeding the following values without any positive tolerance.

(i)	No load loss at rated voltage, Rated current, rated frequency	450 Watts (Max.)
(ii)	Total Loss at 50 % load at rated current, rated voltage, rated freq. and 75 Deg.C.	989 Watts (Max.)
(iii)	Total Loss at 100 % load at rated current, rated voltage, rated freq. and 75 Deg.C.	2902.5 Watts (Max.)

The above specified values of losses are maximum guaranteed as per BIS Energy Efficient level-2, without any positive tolerance.

Note:- The BIS-Certificate level-2 rating transformers as per IS-1180 (Part-1) 2014 shall be furnished by the supplier before commencement of supplies. The supplies shall be availed only after furnishing of BIS Certification level-2 by the supplier from Bureau of Indian Standard and any delay in arranging BIS-Certificate for level-2 shall be on supplier's account.

The bidders quoting losses more than the value prescribed above in the GTP shall be rejected. No benefit shall be allowed to the bidders quoting losses less than the above prescribed values. The transformer could also be rejected if excess losses are less than above limits but calculations suggest that there is not enough margins in the temp. rise values to be contained within permissible limits to absorb such losses unless temp. rise test is repeated on the transformer free of cost.

- 3.14.2 The following recoveries shall be made for the excess losses upto the prescribed limits as above.

- (i) Recovery for excess of no load losses : @ Rs **3,32,000** per KW
- (ii) Recovery for excess of load losses : @ Rs **1,36,000** per KW.

For fraction of a KW, the recoveries shall be made on pro rata.

The supplier shall provide along with the bid the design details of core assembly showing the construction details, core diameter, nett/ gross sectional area of the core assembly, thickness of lamination etc. The information must also be given in respect of volts per turn at principal tap for normal voltage. The loss curves for type/grade of steel laminations being used for the core shall also be provided along with the bid.

3.15 COOLING:

- 3.15.1 Each transformer shall be provided with ONAN type cooling as specified under the schedule of requirements.
- 3.15.2 The ONAN cooling of the transformers shall be by natural circulation of air while the circulation of oil shall be effected by natural convection, the maximum oil flow being assured by a method whereby the return flow of cooled oil is made to enter the tank at a level coinciding with the bottom of the hot columns of oil thus avoiding centre heads of cold oil at the bottom of the tank. Out flow shall be arranged to coincide as nearly as possible with the hot oil level at the top of the tank so that the total available difference will be fully employed in circulating the oil round the shortest possible paths.
- 3.15.3 The windings of the transformers shall be designed to deliver continuously rated KVA corresponding to ONAN cooling.
Radiators shall be provided for cooling purpose. These shall be directly mounted on the tank on both sides in a balanced manner & not on one side only.

3.16 TRANSFORMER CORE:

- 3.16.1 The core shall be built up with thin lamination of high grade, non ageing, low loss, high permeability, cold rolled, grain oriented silicon steel specially suitable for transformer core. The particulars of laminated steel to be employed/used shall be furnished with the bids along with DC magnetization, B-H and iron loss curves and grade of CRGO Core material indicating nomenclature along with thickness of lamination, specific core loss etc.
- 3.16.2 If required after being sheared the laminations shall be treated to remove all burrs and shall be reannealed to remove all residual stresses. Atleast one side of each lamination shall be coated with a double baked enamel insulation coating which will not deteriorate due to pressure and the action of hot oil. The nature of insulation shall be specified in the bid.

- 3.16.3 Every care shall be exercised in the selection, treatment and handling of core steel to ensure that as far as practicable, the laminations are flat and the finally assembled core is free from distortion.
- 3.16.4 The design of the magnetic circuit shall be such as to avoid discharges, development of short circuit paths within itself or to the earthed clamping structure and the production of flux components at right angles to the plane of the laminations which may cause local heating.
- 3.16.5 The core shall be rigidly clamped to ensure adequate mechanical strength and to prevent vibration during operation. The core/clamping bolts shall not pass through Core/Yoke and clamping structure shall be so constructed that eddy currents will be minimum.
- 3.16.6 The core shall be provided with lugs suitable for lifting the complete core and coil assembly of the transformer. The core and the coil shall be so fixed in tank that shifting will not occur when the transformer is moved or during a short circuit.
- 3.16.7 **FLUX DENSITY:**
The maximum flux density in any part of the core and yoke at rated voltage and frequency shall be such that the flux density with +12.5% combined voltage and frequency variation from rated voltage and frequency shall not exceed 1.9 Tesla.

(Note: The design calculations in support of flux density shall be furnished by the manufacturer). No load current shall not exceed 2% of the full load current and will be measured by energising the transformer at rated voltage and frequency. Increase of 12.5% of rated voltage shall not increase the no load current by 5% of the full load current.

3.17 WINDING:

- 3.17.1 The windings shall be so designed that all coil assemblies of identical voltage ratings shall be interchangeable and field repairs to the windings can be made readily, without special equipment. The coils shall be supported between adjacent sections by insulating spacers and bracers. Bracings and other insulation used in the assembly of the windings shall be arranged to ensure a free circulation of the oil and to reduce hot spots in the windings. The windings shall be designed to reduce to a minimum the out of balance forces in the transformer at all ratios. The double paper covering insulation shall be used in HV & LV coils.
- 3.17.2 The insulation of the coils shall be suitable to develop the full electrical strength of the windings. All materials used in the insulation and assembly of the windings shall be insoluble, non catalytic, and chemically inactive in the hot transformer oil, and shall not soften or otherwise be adversely effected under the operating conditions.
- 3.17.3 All threaded connections shall be provided with locking facilities. All leads from the windings to the terminal board and bushings shall be rigidly supported to prevent injury from vibration. Guide tubes shall be used where practicable.
- 3.17.4 The windings shall be clamped securely in place so that they will not be displaced or deformed during short circuits. The assembled core and windings shall be vacuum dried and suitably impregnated. The Copper conductor used in the coil structure shall be best suited to the requirements and all permanent current carrying joints in the windings and the leads shall be welded or braced except compression type which may be used for terminal connections. Bolted connection may be used at the bushings and at terminal board with suitable locking device. The drying out procedure of the core coil assembly shall be indicated in the bid.
- 3.17.5 The material used for insulation and coils shall be of best quality and if desired, invoices and manufacturers test certificates shall be furnished.

3.18 FAULT WITHSTANDING CAPACITY OF WINDINGS:

All the windings shall be suitably designed to withstand short time rating for not less than 2 seconds. The max. temp. attained for short time rating shall not exceed 250 degree C.

3.19 INSULATING OIL:

- 3.19.1 The oil for first filling shall be supplied with each transformer. The oil shall be EHV grade-I and shall comply **IEC:60296** with latest amendments.
- 3.19.2 Particular attention shall be paid to deliver the oil for topping up free from moisture having uniform quality throughout in the non-returnable new steel drums.
- 3.19.3 The quantity of oil for first filling of each transformer shall be stated in the bid. Quantity of oil required for filling of conservator and radiators shall be stated in the guaranteed technical particulars.

- 3.19.4 The transformer oil purchased from M/s. Savita Chemical, M/s. Apar, M/s. Raj Lubrichem, M/s. Raj Petroleum and M/s. Lubrichem shall only be supplied. Invoice and test certificates of manufacturer of transformer oil shall have to be furnished as and when desired by the Nigam.

3.20 TANK:

- 3.20.1 The transformer tank and cover shall be fabricated from good commercial grade low carbon steel suitable for welding and of adequate plate thickness. The tank and the cover shall be of welded construction. All seams shall be welded and where practicable they shall be double welded. The transformer tank shall have sufficient strength to withstand without permanent distortion.
- 3.20.2 At least one manhole/inspection cover with a welded flange and a bolted cover shall be provided on the tank cover. The manhole shall be of a sufficient size to afford easy access to the lower ends of the bushings, terminals etc.
- 3.20.3 All bolted connections to the tank shall be fitted with suitable oil tight gaskets which shall give satisfactory service under the operating conditions. Special attention shall be given to the methods of making the hot oil tight joints between the tank and the cover as also between the cover and the bushing and all other outlets to ensure that the joints can be remade satisfactorily and with ease, with the help of semi-skilled labour. Where compressible gaskets are used, steps shall be provided to prevent over compression. Suitable guides shall be provided for positioning the various parts during assembly or dismantling.
- 3.20.4 Lifting eyes or lugs shall be provided on all the parts of the transformers requiring independent handling during assembly or dismantling. In addition the transformer tank shall be provided with lifting lugs and bosses properly secured to the sides of the tank, for lifting the transformer either by cranes or by jacks.
- 3.20.5 The design of the tank, the lifting lugs and bosses shall be such that the complete transformer assembly filled with oil can be lifted with the use of these lugs without any damage or distortions. The tank shall be provided with two suitable copper alloy, lugs for the purpose of groundings.
- 3.20.6 The exterior of transformer tank shall be thoroughly given one primary coats & two finishing coats of durable oil and weather resistant paints of enamel. The colour of the finishing coats shall be dark admiralty grey conforming to colour code number 320 of IS.
- 3.20.7 **The plate thickness for tank construction for side plates shall be minimum 5 mm and for top & bottom plates it shall be minimum 6 mm.**

3.21 UNDER CARRIAGE :

- 3.21.1 The transformer tank shall be supported on a structural steel base equipped with forged steel or cast steel, flat uni-directional rollers suitable for moving the transformer completely filled with oil.
- 3.21.2 Pulling eyes shall be provided to facilitate moving the transformer and they shall be suitably braced in a vertical direction so that bending does not occur when the pull has a vertical component.

3.22 OFF LOAD TAP CHANGER MECHANISM:

- 3.22.1 The off circuit tap changer shall be of high quality and robust in construction. It shall be located at a convenient position so that it can be operated from ground level by a standing operator. The handle of OCTC shall be provided with a locking arrangement. Thus enabling the OCTC to be locked in position. Arrangement for indicating of tap position shall also be provided. It shall be suitable for local manual operations. The tap changer shall be capable of permitting parallel operation with other transformer of the same type. When one unit is in parallel with another of same type as mentioned in clause No.3.11 under normal condition, the tap changer shall not become out of step.
- 3.22.2 The OCTC shall be capable of carrying rated MVA on all taps. The breaking capacity of the OCTC shall be compatible with the highest system voltage and current based on maximum over loading permissible under IS:6600 -1972 (150% of rated this) Step voltage of OCTC shall not be less than 115% of 2.5% of the nominal phase voltage of the HV winding and rated through current of OCTC at this voltage will not be less than 150% of rated current of HV winding at lowest tap.
- 3.22.3 Off circuit tap changing arrangement shall be either by means of an externally operated switch with mechanical blocking device and a position indicator arrangement for pad -locking shall be provided.

3.23 OIL PRESERVING SYSTEM:

- 3.23.1. Oil preserving equipment shall be conventional conservator tank type. The minimum oil level in the conservator tank shall not be below the level of the bushing flanges.
- 3.23.2. Oil conservator tank shall be located well clear of the bare connection of the transformer terminals. The conservator tank shall have adequate capacity between highest and lowest permissible levels to meet the requirement of expansion of the total cold oil volume in the transformer and cooling equipment from min. ambient temperature to highest oil temp. as per desired.
- 3.23.3 The total volume of the conservator shall be min. 10% of the total quantity of oil in transformer. The inside diameter of the pipe connecting the conservator to the main tank should be 25 to 50 mm and it should be projected into the conservator so that its end is at least 20 mm above the bottom of the conservator so as to create a sump for collection of impurities. The minimum oil level corresponding to -5^o C should be above the sump level.

3.24 BUSHINGS:

- 3.24.1 All main winding and neutral leads shall be brought out through outdoor type bushings. The electrical characteristics of bushing shall be in accordance with IEC-137 as well as IS-3347/8603 and IS-2099 and IS 7421. The bushing shall be rated for highest voltage and current rating of the respective windings. The current ratings of bushing shall be atleast 150% of the rated current at minimum tap to permit overloading. The creepage distance shall not be less than 25 mm per KV.
- 3.24.2. The bushings shall have high factor of safety against leakage to ground and shall be so located as to provide adequate electrical clearances between bushings and between the bushings and ground parts. The spacing between the bushings shall be adequate to utilize full flashover strength preventing flashover between the phases or between phase and ground parts under all conditions of operation.
- 3.24.3. All bushings shall be equipped with suitable solder less terminals of approved type. The type and size shall be specified in the bid. All external current carrying contact surfaces shall be placed adequately.
- 3.24.4. Bushings of identical voltage ratings shall be interchangeable.
- 3.24.5. Special adjustable arcing horns shall be provided with HV bushing. Each bushing shall be so co-ordinate with the transformer insulation that all flashover occur outside the tank.
- 3.24.6. All porcelain used in bushings shall be of the wet process homogeneous impervious to moisture and free from cavities or other flaws and throughout verified and smoothly glazed. The glazing shall be of the uniform colour and free from blisters, burns and other defects. All bushings shall have puncture strength greater than the dry flashover voltage.

3.25. CENTRE OF GRAVITY.

The center of gravity of the assembled transformer shall be low and as near the vertical center line as possible. The transformer shall be stable with or without oil. If the center of gravity is eccentric relative to track either with or without oil its location shall be shown in the outline drawing.

3.26. FITTINGS AND ACCESSORIES:

The each transformer shall be provided with the following fittings and accessories:

- i) 150 mm dial type thermometer for oil.
- ii) One oil drain cum sampling valve for main tank with plug or core plate of suitable size with locking arrangement.
- iii) One filter valve located at the top of the tank on the LV side. The opening of this valve shall be baffled to prevent aeration of oil.
- iv) One filter valve located near the bottom of the tank on the HV side of the transformer with suitable locking arrangement.
- v) Air release device. It shall be of adequate capacity and shall be provided to release the trapped air during/after filling of the oil.
- vi) Explosion vent (Pressure release device)
- vii) Fixed radiators for cooling as per clause 3.15.
- viii) An oil conservator having detachable end plates, with following provisions.
 - a) One oil filling hole with plug and drain valve on the conservator.
 - a) One PLAIN oil level gauge having painted/embossed marking as min., normal, and max. oil level.
 - b) Silica gel breather with Oil seal and Dehydrating agent.

- ix) Eye bolts and lugs on all parts for ease of handling.
- x) Two grounding terminals as per clause No.3.20.5.
- xi) Rating, Diagram and terminal marking plates:
Rating, diagram and terminal marking plates of stainless steel or brass for transformers and other accessories giving details as per IS-2026 shall be provided. Purchase order reference, date of dispatch, weight of all important items, no load & load loss figures and postal addresses, Performance guarantee clause 3.34 shall also be indicated.
- xii) Bimetallic terminal connectors suitable for "ACSR Panther" for HV bushing and terminals suitable for connecting cable thimble of 300 sq.mm cable on LV side.
- xiii) HV bushing with adjustable arcing horns 3 Nos. and 4 Nos. LV bushing
- xiv) Triple pole type off load tap changer as per cl.no.3.22
- xv) Rollers :
Transformers shall be provided with Four numbers of flat bi-directional rollers.
- xvi) Skids :
- xvii) Hauling Eyes :
Hauling eyes shall be provided on all the four sides of the transformer base.
- xviii) Jacking Pads :
Four, sturdy jacking pads shall be provided for lifting complete transformer to enable rotation of its wheels through 90 degree for pulling on transformer tank. Lifting height and safe capacity of jacks shall be specified in Bid.
- xix) Lifting Lugs:
Two sets of forged or tested mild steel plate lifting lugs, one set for top cover, core and coil assembly and other set of complete transformer shall be provided. Lifting lugs shall be of adequate strength and size for attaching steel rope slings. Should lugs for lifting complete transformer be located on the base, sling guides shall be provided on cover.
- xx) Inspection Covers:
One inspection covers of sufficient size for access to the interior of the tank shall be provided on the cover. The inspection covers shall be provided with suitable lifting arrangements.
All type of valves shall be of gun metal except radiator shut off valves which may be of cast iron/steel. All valves shall be provided either with blind companion flanges or with pipe plugs for protection.

3.27 FACTORY ASSEMBLY AND TESTS:

- 3.27.1 The transformer shall be completely assembled and tested at the Factory. It shall be at the option of the purchaser to send a representative(s) for carrying out stage inspection and various tests during actual manufacture and assembly of transformer(s) so as to satisfy regarding the quality of product and material being used. **The meters & instruments used for measurement of losses shall be of accuracy class 0.5 or better.**

All Type and Routine tests as per specification are to be conducted and no deviation in respect of conducting these tests will be acceptable. No extra charges for these tests will be paid. Test charges shall be part of cost of the equipment. Even if charges for such test are indicated elsewhere in the bid, it will be presumed that these tests will be conducted free of cost. If purchaser selects to send a representative, all tests shall be carried out in his presence.

3.27.2 STAGE INSPECTION:

The supplier shall offer all the transformers for stage inspection.

The stage inspection will particularly include the following tests/ checks besides the general routine tests to be conducted during manufacturing stages as per manufacturer's standard practice. No extra charges for any of the tests shall be quoted / accepted. No deviation shall be acceptable.

- i) Physical inspection/checking of winding insulating material, core material and other accessories/ fittings of transformer.
- ii) Measurement of core area, cross sectional area of winding(s), number of turns in each winding of one transformer out of the offered lot.
- iii) Measurement of thickness of tank plates (Bottom and sides) and to conduct pressure & vacuum tests as per CBIP manual for transformer tests to ensure the adequate strength of tank plates on one tank out of the offered lot. For remaining tanks manufacturer's test certificates are to be furnished.

- iv) Selection of sample of core material from assembled core of one transformer out of the offered lot of transformers and sealing by Inspecting Officer for checking of specific loss at 1.6 tesla, magnetizing characteristics(B-H curve) and thickness from Govt. approved/ Govt. recognized testing lab by supplier. The inspecting officer will measure thickness of core lamination during stage inspection.
The value of specific core loss of core sample taken during core building measured at Govt approved/ recognized lab shall be indicative & for reference purpose only. The transformer shall be considered acceptable as per the provisions of specification based on the losses measured during final inspection/testing.
- v) Visual and dimensional check during assembly stage of core.
- vi) high voltage test (2KV,50Hz for one minute) between all core-bolts if provided and agreed to frame bars/fishplates etc. and Ferro-magnetic steel of core.
- vii) Check on completed core for measurement of Iron losses.
- viii) To carryout the stage inspection, the supplier should intimate the complete schedule of manufacturing programme of these transformers at-least 15 days advance directly to the Superintending Engineer (PROC.II), RVPNL, Jaipur.

The production shall not be interrupted in case purchaser's representative does not reach as per the manufacturing programme to be intimated at least 15 days in advance. However, stage inspection of the transformers to be offered in first lot of minimum four numbers or 25% of ordered quantity whichever is less shall be arranged compulsorily.

Note: The stage inspection of a particular unit shall be considered complete when all the steps stated in the stage inspection are carried out for that particular unit.

3.27.3 ROUTINE TESTS:

Each completed transformer shall be subjected to following routine tests as per IS:2026 Part.I & III (latest amendment). No extra charges for any of the tests shall be paid. No deviation shall be acceptable. If the supplier desires, he may not fix radiators on transformers (other than the one which is to be type tested) during routine testing. However, in that case, radiator manufacturer's test certificate shall be furnished for reference of inspecting officer with undertaking that supplier shall be responsible for proper alignment/fixing of radiator on transformer at site.

- a) Measurement of resistance of each winding.
- b) Measurement of turns ratio between HV-LV windings at each tap.
- c) Checking of polarity and phase relation-ships for each winding.
- d) Measurement of no load loss and no load current.
- e) Positive phase sequence impedance/short circuit impedance between HV-LV windings on minimum, maximum and normal taps.
- f) Separate source voltage withstand test.
- g) BDV test on transformer oil as per 3.19.4.
- h) Induced over voltage withstand test.
- i) Measurement of neutral unbalance current.
- j) Regulation at rated load at unity and 0.80 lagging power factor.
- k) Load losses measured at rated frequency by applying voltage sufficient to produce the rated relevant current in one winding with the other winding short circuited.
- l) Measurement of insulation resistance.
- m) The total losses shall comprise of the No Load Losses, load losses at rated output duly converted at 75 degree C average winding temperature and shall also be indicated in the test report. Load losses shall be that corresponding to rated load on HV & LV winding.
- n) Routine dielectric tests as per IS:2026 (Part.I & III), 1981.
- o) Check complete transformer against approved outline drawing, provision for all fittings, finish oil level etc.
- p) **Pressure test**
Plain tanks- The transformer tank with welded/ bolted cover shall be tested at a pressure of 35 kPa above atmosphere pressure maintained inside the tank for 10 minute. There should be no leakage at any point.
- q) **Oil leakage test**
The assembled transformer for non-sealed and sealed type with all fitting including bushing in position shall be tested at a pressure equivalent to twice the normal head measured at a base of the tank for 8 h. There should be no leakage at any point.

Tank with corrugations shall be tested for oil leakage test a pressure of 15 kPa measured at the top of the tank for 6h. There should be no leakage at any point.

- r) **Tests on transformer oil as per IS:1866-2000 table-1 (Latest amended) Test report from CPRI/ ERDA for oil sample drawn from the tank of transformer selected at random out of the offered lot of transformers for testing as per table-1 of IS:1866-2000.**

3.27.4 TYPE TESTS:

One transformer (Complete in all respects) selected at random, out of the first lot of minimum four numbers or 25% of ordered quantity whichever is less (of respective rating) shall be subjected to the following type tests. No extra charges shall be paid for these tests. Type tested unit shall be guaranteed for satisfactory normal use.

- a) Dielectric test: The lightning impulse test alongwith chopped wave test shall be made in accordance with IS: 2026 (Part.III), 1981 (latest amended) on complete transformer i.e. on all the three limbs of the transformer on HV. The tests on three phases of high voltage winding of transformers shall be performed on extreme tapings and the principal tapping respectively i.e. one terminal will be with minimum tap other with maximum and third with principal tap position.
- b) Temperature rise test: It shall be conducted as per IS:2026/77 Part.II at min tap (having max. current) by feeding sum of maximum guaranteed no load losses and load losses relevant to min. tap. (having maximum current)
- c) Oil leakage test as per CBIP manual
- d) Short circuit test: The bidders are required to furnish detailed short circuit test report as per applicable IS:2026 (as amended from time to time) **and as per provision of BIS-1180 (BIS Energy Efficient level-2)** along with their bid for the test conducted at CPRI/ERDA, against earlier order of RVPNL or any other power utilities on transformer of similar rating and design as quoted with same guaranteed NO load and Load losses and percentage impedance at normal tap. The duration of each short circuit shot should be at least 0.25 second. The short circuit test reports so furnished shall be duly attested by Notary Public and should not be older than 05 (**FIVE**) years as on the date of technical bid opening. In absence of short circuit test report as above, the bidder shall have to arrange short circuit test at CPRI/ERDA, on **one transformer (Complete in all respects) selected at random, out of the first lot of minimum four numbers or 25% of ordered quantity whichever is less (of respective rating)** at their own cost, in case the bidder is considered for placement of order.

The short circuit test **in absence of valid short circuit test report** shall also be arranged by the supplier at CPRI/ ERDA. If facility to conduct impulse test **in NABL accredited lab** is not available with the transformer manufacturer, then the same shall also be arranged by the supplier at Govt./ Govt. approved/ Govt. recognized laboratory **accredited by NABL for the tests conducted** at their cost. In that event, the transformer selected at random shall be sealed by purchaser's representative at firm's works for sake of identification during above type test. These tests shall also be witnessed by purchaser's representative at CPRI/ ERDA/ Govt./ Govt. approved / Govt. recognized laboratory **accredited by NABL for the tests conducted** for which programme indicating date and place of Type tests shall be intimated in advance enabling purchaser to depute his representative. The original preliminary/ provisional test results shall have to be forwarded by testing lab., directly to the purchaser in sealed cover for consideration/ approval of tests as having been satisfactorily withstood by the transformer. Detailed reports shall also be forwarded to purchaser at the earliest. These test reports shall be arranged by the supplier for which no extra charges shall be paid.

If the short circuit test is arranged then no load and load losses shall also be measured at CPRI/ **ERDA**, the losses measured shall be considered as final for the purpose of calculating penalty for excess losses if any found on higher side.

- e) Pressure test: For non- sealed and sealed type transformers, the transformer tank subjected to air pressure of 80 kPa for 30 min and Vacuum of 500 mm of mercury for 30 min. the permanent deflection of flat plate, after pressure/Vacuum has been released, shall not exceed the values given below.

Length of Plate	Deflection
Up to 750 mm	5.0 mm
751 mm to 1250 mm	6.5 mm
1251 mm to 1750 mm	8.0 mm
Above 1751 mm	9.0 mm

3.27.5.1 The dispatch clearance/ instructions of satisfactorily inspected transformer can be issued subject to withholding 15% cost of transformer, if compliance of any one of or all of the following is not received from supplier.

- a) Test report from Govt./Govt. approved/ Govt. recognized lab. for the core material sample of one transformer out of the offered lot of transformers drawn during stage inspection of core building for measurement of specific losses at 1.6 tesla, magnetization characteristics and thickness.
- b) Test report from CPRI/ ERDA for oil sample drawn from the tank of transformer selected at random out of the offered lot of transformers for testing as per table-1 of IS:1866-2000.

The above 15% withheld payment shall be made after receipt of satisfactory test reports as above.

3.27.5.2 The supplier shall provide the manufacturers routine test certificate for bought out items to the Inspecting Officer during inspection.

3.28 TYPE TEST CERTIFICATE AND BIS-CERTIFICATE WITH BID:

- A. The following valid type test(s) reports of Station transformers/ Distribution transformers having shall be furnished alongwith bid in respect of the equipment of similar or higher rating, type tested from Govt. approved lab or manufacturers lab at works accredited by NABL for the tests conducted, duly witnessed by Govt. agency or officers of any electricity board/Nigam. These type tests certificates should not be older than **Five (5) years** from the date of opening of bid. Date of test certificate shall be considered as the date on which test was conducted on the equipment.
 - i) Lightning impulse alongwith chopped wave test as per IS-2026 (Pt.III) latest on complete transformer i.e. on all three limbs of HV of the transformer .
 - ii) Temperature rise test.

However, in the following cases, type test(s) can be conducted before commencement of supplies subject to furnishing Bank guarantee from a Scheduled bank in prescribed proforma (Appendix-XIII(A)) or DD / Pay order amounting to Rs.15.0 lacs in lieu of Type test(s) by the bidder and same is to be uploaded alongwith bidding documents:

- a) Where one or more type test(s) is/ are older than 5 years.
- b) Where new type tests have been added in the specification.
- c) Where some changes in respect of type test procedure of existing type tests have been introduced in the relevant standard.
- d) Where the new item is being purchased by Nigam for the first time.

Note: In case, the bidder fails to furnish the type test alongwith short circuit test before commencement of supplies, their bank guarantee/DD/pay order will be invoked/ forfeited.

However, if the supplier has manufactured the transformer but is not in a position to arrange the requisite acceptable type test/ short circuit test before commencement of the supply due to non - availability of dates for the testing then pending conducting of type test / short circuit test on the transformer against RVPN's order, 25% of the ordered quantity may be accepted subject to the condition that the supplier shall furnish an undertaking (Annexure-3.1).

Against such supplied 25% quantity, pending type testing / short circuit testing, the payment shall be made only for 80% of the ex-works value of the transformers so supplied alongwith 100% taxes,

duties, freight and insurance charges payable as per provisions of the purchase order. However, before claiming such payment supplier will furnish bank guarantee (Annexure-3.2) of amount equivalent to amount payable to them.

If the transformer fails in type test/ short circuit test, the supplier shall replace the transformers so supplied by acceptable type tested / short circuit tested transformers within the contractual delivery period for the total ordered quantity apart from supplying, remaining 75% of transformers of successful type tested and short circuit tested design within contractual delivery period for the total ordered quantity.

The supplier will be allowed to lift the supplied such 25% transformers after the acceptable replacement is made.

If the firm fails to get the type tests & short circuit test conducted successfully before the expiry of contractual delivery schedule for the total ordered quantity and fails to replace the supplied transformers before expiry of the contractual delivery schedule for the total ordered quantity, then the amount so paid along with other claims of the Nigam will be refunded by the supplier to RVPN. In the event of the failure of the supplier to do the same, RVPN will be free to recover such amount from financial holds / Bank guarantees available with RVPN including the Bank Guarantee furnished by the supplier for claiming 80% payment of Ex-works value of transformer so supplied along with 100% taxes, duties, freight and insurance charges as above or in any other manner as deemed fit.

- B. The bidder should be a Manufacturer having BIS-Certificate for level-2 rating for the bid item as per IS-1180 (Part-1) 2014. The valid BIS-Certificate shall be furnished alongwith the bid.**

Alternatively, in case, the bidder is not having BIS-Certificate for level-2 rating transformers as per IS-1180 (Part-1) 2014 at the time of submission of bid, then the bidder shall have to furnish a Bank Guarantee amounting to Rs. 5.00 lakhs from any schedule Bank of India towards providing BIS certificate alongwith undertaking with the bid that the BIS-Certificate level-2 rating transformers as per IS-1180 (Part-1) 2014 shall be furnished by them before commencement of supplies, and in case of failure to arrange the BIS-Certificate level-2 before commencement of supplies by them, RVPN reserves the right to forfeit their aforesaid BG of Rs. 5.00 lakhs furnished towards providing BIS certificate.(Appendix-XIII(B)).

3.29 TESTS AT SITE:

After erection at site all transformer(s) shall be subjected to the following tests:

- i) Insulation resistance test.
- ii) Ratio and polarity test.
- iii) Dielectric test on oil.

In case the equipment is not found as per the requirements of the purchase order, all expenses incurred during site testing will be to the bidder's account and the material shall be replaced by him at site, free of cost.

3.30 FURTHER TESTS:

The purchaser reserves the right of having other reasonable tests carried out at his own expenses either before dispatch or during performance guarantee period from Govt. approved/ Govt. recognized lab. to ensure that the transformer complies with the requirements of this specification after due intimation to the supplier. In case the equipment is not found meeting the requirement of PO/ specification, all expenses incurred for such testing will be on supplier's account and the material shall be replaced by the supplier at site free of cost.

3.31 TEST REPORTS:

After all tests have been completed, seven certified copies of each test report shall be furnished. Each report shall supply the following information.

- i) Complete identification data including serial number of the transformer.
- ii) Method of application, where applied duration and interpretation of results for each tests.
- iii) Temperature data corrected to 75 degree C including ambient temperature.

3.32 FREQUENCY AND SYSTEM VOLTAGE:

The transformer shall be suitable for continuous operation with a frequency variation of plus minus 3% from normal of 50 cycles per second without exceeding the specified temperature rise. The highest system rated voltage shall be 36 KV. However, the flux density requirements shall be as per clause 3.16.7.

3.33 DRAWINGS:

- 3.33.1 The drawings and the technical literature list below shall be submitted by each bidder with the bid.
- i) General outline drawings showing front, side elevations and plan views of the transformer and all accessories and external features with detailed dimensions, net and shipping weight, crane lift for undertaking and for erection/ removal of bushing, size of lifting and pulling eyes, HV & LV terminal clearances, live terminal to ground clearances, quantity of insulating oil etc.
 - ii) Core assembly drawing showing complete constructional details and flux density calculations & details of insulation.
 - iii) Drawings giving details of name plate & terminal marking and connection diagrams.
 - iv) Drawings of bimetallic terminal connectors with test certificates.
- Thermal/dynamic calculations to provide transformers capability to withstand short circuit under worst conditions.
- 3.33.2 In the event of an order the supplier shall also supply 3 sets of the above drawings/documents listed at 3.33.1, based on final design to the purchaser for approval. The purchaser will review the drawings and return one copy to the contractor.
- 3.33.3 Each drawing returned by the purchaser will be stamped (a) "Generally Approved" or (b) "Generally approved subject to observation". In case of (b), the inspecting officer shall verify at the time of inspection that care have been taken for the observations.
- 3.33.4 Any shop work done prior to approval of the drawing shall be at the supplier's risk. The supplier shall make all such changes in the design as are considered necessary to make the equipment conform to the provisions and intent of this specification without any additional cost to the purchaser.
- 3.33.5 Each drawing shall be identified by a drawings number and each subsequent resubmission/revision or addition to the drawings or procedure. All drawings shall be thoroughly checked for accuracy and completeness and signed or initialed by a responsible officer of the contractor.
- 3.33.6 Checking and approval of the drawings by the purchaser is for the benefit of the supplier and shall not relieve the supplier of full responsibility for ensuring correct interpretation of design drawings and specifications or for completeness and accuracy of the shop drawings and relevant specifications.
- 3.33.7 All drawings shall be in English language and dimensions in metric system

3.34 REPAIR GUARANTEE:

The transformer got damaged/ failed during the guarantee period due to manufacturing defects or poor workmanship shall be repaired by the supplier within 45 days period after the date of information to the supplier without any liability on the purchaser. If TO & FRO transportation arranged by Nigam, recovery @ 160% of the freight and the insurance charges payable to them under the contract shall be made from the firms pending payments for each trip. The repaired transformer shall bear a repair warrantee for further 12 months or a period left out of the original guarantee period whichever is later. Any delay in repair beyond the specified period shall be subjected to penalty as applicable for delay in delivery.

The failed equipments/transformer shall be removed by the purchaser or suppliers representative to collection center or their own works as mutually agreed upon by the supplier and purchaser.

IMPORTANT NOTES:

1. The bidder should read the clause No. 3.26 carefully and indicate specifically any deviation in the fittings and accessories as required to be provided on the transformers. In absence of such indication in the bid it will be presumed that all fittings and accessories would be provided as per specification.
2. The Tol. in weight and Dim. of the transformer shall not be more than (+/-) 5%.
3. Minimum external electrical clearance after mounting the bi-metallic terminal connectors in position shall be maintained as under:

<u>VOLTAGE</u>	<u>MEDIUM</u>	<u>CLEARANCE</u>	
		<u>PHASE TO PHASE</u>	<u>PHASE TO EARTH</u>
33 KV	AIR	350 mm	320 mm
0.415 KV	AIR	75 mm	55 mm

4. Make of each accessories/components shall be clearly and invariably indicated in the GTP/bill of material. Further, following make(s) of bought out items are acceptable to the department.

i)	Bushings.	WSI/Modern Insulator(MIL)/ABIL/BHEL/CJI
ii)	Bimetallic terminal connector	Milind Engineering/Vinayak/Best&Crompton / Nootan
iii)	OFF circuit tap changer	Alwaye
iv)	Oil temperature indicator	Press & forge / precimeasure / ATVUS /Sukrut Udyog / Perfect control.

However other makes of bought out items are also acceptable, if it is of "ISI mark" or type tested for which bidder shall furnish attested Photostat copy of valid ISI certificate / type test report from Govt. approved/ recognized lab. The type test report should not be older than 7 years as on the date of submission of same.

ANNEXURE-3.1UNDERTAKING

ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE (RS. 100)

We, M/s _____ (name of the firm) having registered office at _____ (address) state that an order for supply of _____ Nos. _____ transformer has been placed upon us by RVPN under purchase order No. _____ dated _____.

We have manufactured the transformer but are not in a position to arrange requisite type tests/short circuit tests in acceptable form before commencement of supply due to non-availability of the dates for testing.

We, therefore, request that _____ Nos. (upto 25% of ordered quantity) may be accepted pending successful type testing of the transformer and furnishing of acceptable type test and short circuit test certificates against subject purchase order for which we undertake as follows:-

1) For _____ Nos. (upto 25% of the ordered quantity) so supplied prior to successful conducting the type tests / short circuit test, we shall be claiming only 80% of the F.O.R. Destination price payable as per provisions of purchase order. Before claiming such payment we will furnish bank guarantee of amount equivalent to payable to us.

2) We shall successfully get the type test / short circuit test conducted on the transformer ordered against above order and furnish the requisite type test certificate in acceptable form within the contractual delivery period of total ordered quantity. The balance transformers will also be supplied by us within the contractual delivery schedule for total ordered quantity.

3) If the transformer subjected to type test / short circuit test fails during type/ short circuit testing then we shall get another designed transformer successfully type tested / short circuit tested and in that case the transformers already supplied, pending successful type testing will be replaced with the acceptable type tested / short circuit tested design transformer within contractual delivery period for the total ordered quantity of the transformers without any extra financial liability to RVPN. After replacement with acceptable transformers, the transformers supplied earlier will be lifted by us at our cost without any financial liability on the part of RVPN. Also the balance transformers as per the successful type / short circuit tested design will be supplied within contractual delivery period of the total ordered quantity.

4) If we fail to comply the above conditions at No. 2 & 3, we shall refund the amount so claimed towards 80% F.O.R. Destination price of transformer and also pay all the incidental expenses incurred by the department within 30 days of the expiry of the contractual delivery period for the total ordered quantity. In case of our failure to do so the RVPN will be free to recover the said amounts by invoking Bank Guarantees including B.G furnished by us for claiming payment equivalent to 80% of F.O.R. Destination price of transformer in lieu acceptance of transformers pending successful type tests /short circuit test or from other holds available in RVPN or in any other manner as deemed fit. The RVPN will also be at liberty to purchase the transformer ordered on us from the other sources.

5) In the above case at 4 above we shall not claim any charges / compensation for the transformer which remained in service.

6) This is without prejudice to various terms & conditions of the purchase order No. _____ placed on us.

(Name of the signatory with designation)
(Seal of the firm)

Witness:

1. _____

2. _____

ANNEXURE-3.2

PERFORMA FOR FURNISHING BANK GUARANTEE FOR CLAIMING 80% PAYMENT OF FORD VALUE OF TRANSFORMER PENDING CONDUCTING TYPE TEST/ SHORT CIRCUIT TEST.

(On non-judicial Stamp Paper of Rajasthan Government of the value as required under the Rajasthan Stamp duty Act)

The Chief Engineer (PROC),
Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Date _____
Jaipur (Rajasthan).
_____ Amount

Validity _____

(1) Whereas the Rajasthan Rajya Vidyut Prasaran Nigam Limited, Jaipur (hereinafter called as "Purchaser") have placed an order for Design, Manufacturing Transport, loading, un-loading and supply of _____ No(s). _____ MVA, _____ KV Power/ auto power transformer(s) as per their order No. _____ with M/s. _____ (hereinafter called the " Supplier ")

(2) And whereas in terms of purchase order, 25% of the ordered quantity can be supplied pending type / short circuit testing for which payment shall be made equivalent to 80% of the F.O.R. Destination value of the transformer(s) so supplied as per provisions of said purchase order. Accordingly, the purchaser has agreed to pay to the supplier an amount of Rs. _____ against submission (by the said supplier) of Bank Guarantee for a like sum.

(3) And whereas the said purchaser has agreed to accept a Bank Guarantee from _____, the banker of the said supplier.

(4) We, _____ hereby irrevocably guarantee the due fulfillment by the said supplier of the said purchase order regarding supply of transformer(s) duly type test/ short circuit test to be conducted by the supplier on the one transformer out of ordered quantity to be supplied against said purchase order and we also hereby guarantee to make payment to the said purchaser upto and not exceeding all together a sum of Rs. _____ if the said supplier fails to supply the transformer duly type test/ short circuit conducted on the transformer supplied against said purchase order.

(5) The decision of Chief Engineer(PROC), Rajasthan Rajya Vidyut Prasaran Nigam Limited, Jaipur shall be final whether breach has been committed on the right to demand the amount of guarantee from us which has accrued to the purchaser.

(6) This guarantee shall not ceases or determine, if the purchaser grants time or indulgence or vary the terms of the contract with the Supplier or without our consent or knowledge.

(7) The guarantee herein contained shall not be affected by any change in the constitution of the supplier.

(8) We, _____ further undertake not to revoke this guarantee during its currency except with the previous consent of the Chief Engineer (PROC), Rajasthan Rajya Vidyut Prasaran Nigam Limited, Jaipur, in writing.

(9) All disputes arising under the said guarantee between the Bank and the Nigam or between the Supplier and the Nigam pertaining to the guarantee, shall be subject to the jurisdiction of Court in Jaipur, Rajasthan alone.

(10) The guarantee shall become operative on the day on which the said payment of Rs. _____ is received by the Supplier.

(11) NOT WITHSTANDING anything contained herein before, our liability under this guarantee is restricted to Rs. _____.

(12) Our guarantee shall remain in force until _____ i.e. the completion period of overall contractual delivery period for the total ordered quantity. Unless a demand or claim in writing is presented to us under the guarantee within six months from the date i.e. on or before _____ all the rights of the Purchaser under the said guarantee shall be forfeited and we shall be released and discharged from all liability thereunder.

In witness whereof the bank has executed these presents the day _____ and the year _____

Yours faithfully,

EXECUTANT

Witness (with name and address):

- 1. _____
- 2. _____

ANNEXURE-3.3

BILL OF MATERIAL

(To be filled in by the bidder and sent with the bid)

Bidder shall state under this schedule, complete bill of material for the item offered including all accessories.

S.No.	Name of the items.	Qty.	Make