

**SCHEDULE-III****TECHNICAL SPECIFICATION FOR PROVIDING SPARE PARTS OF VCBs BY THE SUPPLIERS****1. SCOPE:**

- i) This specification covers assessment and estimation for providing various Spare Parts of 36 KV/12 KV Outdoor/ Indoor VCB/VCB Kiosks at various circles stores of the Jaipur Vidyut Vitran Nigam Limited on Rate Contract Basis, so that VCBs lying at various sub-stations may be utilized by the Nigam.
- ii) The period of Rate Contract shall be upto 31<sup>st</sup> March, 2021. The Rate Contract may be extended further on same Price, Terms and Conditions for a maximum period of 3 months, subject to the conditions that the market prices may not have fallen down during this period.
- iii) The Rate Contract shall be entered into with the Superintending Engineer (MM-II) Jaipur Discom, Jaipur for Price only without a commitment of the quantity, place and time of service.
- iv) Further to this Rate Contract, the Circle officers of M&P Wing i.e. SE(M&P)Jaipur, Kota & Bharatpur shall issue Work Orders to you at the Contracted Price with mention of quantity, place and time of service required.
- v) The estimate cost of Spare Parts will not exceed to the **25%** of the original all adjusted unit FOR Destination Price of breaker.
- vi) The terms and conditions of the rate contract including provision for liquidated damages shall be similar to those prescribed for procurement by open competitive bidding.

**2. ELIGIBILITY**

The bidders who have supplied VCBs to the Nigam in the past will only be eligible for awarding this Rate Contract for providing Spare Parts. The suppliers whose VCBs are lying unutilized due to missing parts will be allowed to provide spare parts in their own Make of VCBs only or authorized dealer of the firm.

**3. DETAILS OF SPARE PARTS:**

Mainly the following spare parts (to be supplied as per application IS Standards with latest amendments, if any) will be covered for awarding Rate Contract:-

<b>S. No.</b>	<b>Item Name</b>
1.	Shunt Closing coil with Plunger assembly [Aux volt: 110V DC]
2.	Series & Shunt Trip coils with plunger assembly & mounting bracket [4

	coils = 1 set)
3.	Shunt Trip coil with plunger assembly [Aux voltage: 110 V DC]
4.	Fuse HRC link 10 A
5.	HRC Fuse Base 32 A
6.	Spur Gear Big
7.	Spur gear Small
8.	Pole Assambly (Barrier, Vacuum Interrupter & Upper-Lower Bus bar)
9.	Epoxy Barrier
10.	Vacuum Interrupter
11.	Roof Bushing
12.	Roof Bushing with copper stem & Assembly
13.	Wiring of Trolley
14.	Operating Mechanism, (spring charged store energy)
15.	Spring charging motor mechanism,
16.	Ammeter Selector switch
17.	Breaker Auxiliary switch [Contact: 6 NO+ 6 NC] ,
18.	Breaker Auxiliary switch [Contact: 8 NO+ 8 NC] ,
19.	Voltmeter [Type: Analog, Size: 96x96 Sq.mm] (Range: 0-15 KV)
20.	Ammeter (96x96 Sq.mm) Range: 0-100-200-400/5A
21.	Test Terminal Block Rear Connection
22.	Relay Test Terminal Block
23.	Breaker Control Switch
24.	Trivector Meter (TVM), AC HT Static meter suitable for 3 ph 4 wire unbalanced load [CT Ratio: 100-200-400/5A PTR: 11 KV/110 Volt]
25.	Numerical Relay 3 O/C & 1 E/F, Make _____
26.	Current Transformer [Ratio: 400-200-100/5-5A, STC: 16 KA Protection core:5P/15 VA, Metering core: 0.5S/15 VA]
27.	Indoor single phase resin cast Potential Transformer, Ratio: 11 KV/110 Volt, Burden: 100 VA,
28.	PT Primary Fuse [ Rating: 11KV, 3.15 Amp,
29.	Jaw Contact / Disconnecting contact [ Ratio: 630 Amp & above]
30.	Charging Link With Assembly for BB1-3
31.	Epoxy Post Insulator
32.	Wiring of Trolley , Type:RB1-3
33.	Power Factor meter
34.	Shunt Trip coil with plunger assembly, Aux voltage: 110 VDC
35.	Bridge Rectifier
36.	Power Pack 100Watt ,110VDC
37.	Upper terminal-L type
38.	Middle terminal-L type
39.	Earthing bus bar L TYPE [50x6 mm Copper]
40.	Copper flexible bus bar
41.	PT Jumper
42.	Middle terminal-pad
43.	Top Terminal Pad
44.	Limit Switch/Micro Switch
45.	Toggle Switch
46.	Door Switch

47.	32 pin Plug Socket
48.	Push Button-Black Shroud
49.	Local-Remote Switch
50.	Terminal Connector
51.	Indication Lamp
52.	Antipumping Relay
53.	Heater
54.	Thermostate
55.	Labour Charges per breaker for inspection & fixing of required spare parts to put defective breaker in operating condition.

**Note:-The technical features/specification/parameters etc. of spare parts shall be in line with Original Technical Specification/ Purchase Order/ GTP.**

#### 4. **PRICES**

- i) Prices of individual spare part will be quoted in the Price Bid (BOQ) only. Amount of GST applicable will also be indicated in the Price Bid. No other taxes & duties shall be payable.
- ii) No Price Variation on the rates agreed, shall be allowed during the complete contract period.
- iii) The prices under the Rate Contract shall be subject to Price Fall clause. If the Rate Contract holder quotes / reduces its prices to render similar services at a price lower than the Contracted Price to anyone in the state at any time during the currency of Rate Contract, the Rate Contract price shall be automatically reduced with effect from the date of reducing or quoting lower price for the same service of Rate Contract and the Rate Contract shall be amended accordingly. The firms holding parallel Rate Contracts shall also be given opportunity to reduce their prices by notifying them the reduced price giving them 15 days time to convey their acceptance. Similar action shall be taken if a parallel Rate Contract holding firm reduces its prices. If any firm holding Rate Contract does not agree to reduce the price as above, no further transaction shall be done with it. Service Provider has to provide an undertaking after every six months to the effect that they have not quoted or entered into a price lower than contracted in the current Rate Contract.
- iv) The quantities indicated in the BOQ are tentative and subject to change. JVVNL does not guarantee any minimum quantities for this Contract.

#### 5. **ASSESSMENT OF SPARE/ MISSING PARTS:-**

The Committee authorized by M&P Wing i.e. AEn (Protection), AEn (HTM/O&M) & firm's representative will assess the requirement of missing parts for individual VCB lying unutilized at various sub-stations, in the attached format.

## 6. **PLACEMENT OF WORK ORDER**

On assessment of missing parts, the concerned SE(M&P) will place the Purchase Order to the respective supplier at the rates so finalized in this Rate Contract as per Delegation of Power(DOP).

## 7. **CONSIGNEE**

After placement of work order of missing parts, the successful suppliers will delivered the ordered items to the concerned circle stores and will get the receipted challans as per practice.

## 8. **DELIVERY PERIOD**

The ordered spare parts will be delivered within 30 days of receipt of Work Order, failing which recovery towards delay in delivery shall be made as per provision of clause No. 1.24 (Delay in Delivery) of General Conditions of Contract.

## 9. **GUARANTEE PERIOD**

The spare parts so provided shall be guaranteed for satisfactory operation for a period of **18 months** from the date of successful Re-Installation & Commissioning of the Breaker. For this purpose you shall furnish manufacturer's warranty on Rajasthan State Non-judicial Stamp Paper worth Rs.500/- in a manner detailed at Clause 1.41.2 (a) of "General Conditions of Contract".

**The complete unit of Breaker/Kiosk so supplied bear a Guarantee of five years as such after providing of Spare parts, the Guarantee Period of Breaker will hold good upto five years even if the Guarantee Period of 18 months of spare parts expires. This Guarantee Period will, however, be exceeded upto the remaining Guarantee Period of spare parts/VCB, if remains due.**

The Performance Bank Guarantee/ Bid Security as furnished by the supplier against original purchase order of breaker, will be released only after ascertaining satisfactory working of all the breakers, after providing spare parts by the supplier and expiry of Guarantee period of spare parts so provided. This provision is in addition to other formalities/condition of original Purchase Order.

## 10. **ISSUE OF SPARE PARTS**

The authorized officer/AEn (M&P) Jaipur Discom, will get issued the spare parts from the concerned Stores according to supplier's work order, which will be made available to the authorized representative of the supplier at site. If the installation & commissioning of the particular breaker is to be arranged at any other site/sub-station, transportation, loading & unloading etc. of the same, will be in the scope of the Nigam.

