



**CHHATTISGARH STATE POWER TRANSMISSION CO. LTD.**

**OFFICE OF EXECUTIVE DIRECTOR (STORE & PURCHASE)**  
(A Govt. of Chhattisgarh undertaking) (A successor company of CSEB)  
**DAGANIYA, RAIPUR (C.G.) 492-013**

Phone: 0771-2574240,2574236 Fax: 0771-2574246  
Web site- [www.cspc.co.in](http://www.cspc.co.in) E- mail [nk.bisen@cspc.co.in](mailto:nk.bisen@cspc.co.in)

# **TENDER SPECIFICATIONS**

## **TR-21/S&P/35**

**for**

**SUPPLY OF 220 KV CENTRE  
BREAK ISOLATORS RATING 2000  
AMP WITH INSTALLATION,  
TESTING & COMMISSIONING  
UNDER PSDF SCHEME**

**RFx No -8100023617**

**LAST DATE & TIME OF SUBMISSION OF TENDER**

**02.12.2021 (TIME 15:00 HRS.)**

**DUE DATE OF OPENING OF TENDER**

**02.12.2021 (TIME 15:30 HRS.)**

**Cost of Tender:- i) Rs.1120 (Incl 12% GST) (if purchased  
from O/o ED(S&P)  
ii) Rs.1180 ( Incl 18% GST)(if downloaded  
from website**

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**CONDITIONS OF TENDERING AND GENERAL CONDITIONS**  
**FOR SUPPLY OF 220 KV CENTRE BREAK ISOLATORS**

**CHHATTISGARH STATE POWER TRANSMISSION CO. LTD., RAIPUR (C.G.)**

Tender document Sl.No.....

ISSUED to M/s -----

Cost of Tender documents Rs.....

Received vide D.D. No.....Dtd.....

Name of Bank -----

**Signature & Seal of Issuing Authority**

**CHHATTISGARH STATE POWER TRANSMISSION COMPANY**  
**RAIPUR C.G. (INDIA)**

**TENDER FORM**

The undersigned hereby tender and offer (subject to CSPTCL'S conditions of tendering), the CSPTCL to test and supply, plant, machinery, materials, deliver and execute and do the several works and things which are described or referred to in the enclosures & Annexure to the specification **TR-21/S&P/35** copies of which are annexed hereto and which under the terms thereof are to be supplied, executed and done by the contractor in a thoroughly good and workman like manner, and to perform and observe the provisions and agreements or the part of the contract contained in or reasonably to be inferred from the said tender documents for the sum and at the rates set out in schedules annexed hereto.

It is confirmed that:

- (I) Questionnaire for Commercial terms and conditions.
- (II) Questionnaire for Technical specifications of the Equipments, and
- (III) All other conditions wherever described in the tender documents have been replied in full giving clear details. It has been noted that in case any reply is not given or any reply is incomplete/ambiguous the CSPTCL will have right to take the same to be advantageous for the CSPTCL'S decision in this regard will be final. The bidder will have no right to furnish any technical or commercial clarification after opening of the bid which may in any way alter the offered prices.

Dated, this ..... day of .....

**Bidder's Signature**

**Bidder's Address.**


**CHHATTISGARH STATE POWER TRANSMISSION CO. LTD**

(A Govt. of Chhattishgarh undertaking) (A successor company of CSEB)

**CIN- U40108CT2003SGCO15820 / GSTIN-22AADCC5773E1ZX**
**O/o Executive Director (Store & Purchase)**

Third floor, SLDC Building, Danganiya Raipur-492013.

 Website- [www.cspc.co.in](http://www.cspc.co.in),

Phone-0771-2574240/2574236/47

Email id :- narendra.bisen10@gmail.com

Fax-0771-2574246

**No.02-16/SE(I-S&P-S/s)/TR-21/S&P/35/1432**
**Raipur, Dtd.08.11.2021**
**E-PROCUREMENT TENDER NOTICE**

Sealed tenders are invited from experienced manufacturers for supply of following equipments/ materials.

Sl. No.	Tender No.	Particulars	Qty (in sets)	Cost of tender document including GST (Rs. )		EMD (Rs.)	Due date
				Printed Tender Form	E-Tender Form Online (downloaded from website)		
1.	TR-21/S&P/35 RFx No - 8100023617	Procurement of 220 KV 2000 Amp <b>Spring less Centre break</b> isolators without E/s with insulators along with installation, testing & commissioning	43	1120/-	1180/-	1,55,616/-	<b>02/12/2021</b>

- NOTE:-i) In case any of the above dates is declared as holiday then the particular date will automatically get shifted to next working day.
- ii) The quantities mentioned above are tentative & may vary according to final requirement.
- iii) **Any notice for extension of due date of tender opening shall not be published in newspapers. It will be displayed only on official website of the company.**
- iv) The tender will be processed through e-bidding module of SAP-SRM. Bidders are advised to visit our website [www.cspc.co.in/cspc](http://www.cspc.co.in/cspc) for viewing detailed instructions regarding submission of offer through SAP-SRM.
- v) **The NIT shall also be published in [www.tarang.website](http://www.tarang.website)**

**// TERMS AND CONDITIONS //**

- (i) The tender documents can be obtained from the office of the ED (S&P) in person on payment of cost of tender documents in the form of DD only made out in the name of Manager (RAO: HQ), CSPTCL, Raipur accompanied with firm's application on its letter head. If tender document is required by post, Rs.250/- is to be paid by DD additionally along with the cost of documents. If more than one tender document is required, separate DDs should be furnished for each tender. CSPTCL shall not be responsible for any postal delay in receipt/ non-receipt of tender documents. No receipt of tender shall be issued in any case.

- (ii) The tender document can also be downloaded from official website of CSPTCL 'www.cspc.co.in' (go through Chhattisgarh State Power Transmission Co. Ltd.- Tender Notice/ Store & Purchase Offices) and required tender fee in form of DD in favour of Manager (RAO:HQ), CSPTCL, Raipur payable at Raipur should be submitted along with EMD in envelope containing DD of EMD. The envelope containing DDs of cost of tender document and EMD should be suitably super scribed "DDs containing cost of tender document and EMD". The details of DDs be mentioned on the outer side of the envelope also. Please note carefully in absence of aforesaid requisite tender fee, further bids shall not be considered for opening.
- (iii) Tender document and the details specification can be obtained on any working day one day prior to the due date. The tenders duly filled in shall be dropped/ get dropped in the specified tender box up to 15.00 Hrs on the due date. Any other means of delivery shall not be accepted. No receipt of tender shall be issued in any case. The tender box shall be locked/ sealed at 15.00 Hrs on the due date and shall be opened at 15.30 Hrs on the same date.
- (iv) After publication of NIT & before the date of opening of TC bid, corrigendum/ other information (if any) shall be displayed on our official web only. The bidders are requested to remain in contact with this office or visit our web-site for any development/ clarification/ amendment issued subsequently.
- (v) CSPTCL reserves the right to accept or reject any or all the offers, in part or full without assigning any reason whatsoever.

**Executive Director (S&P)**  
**CSPTCL: Raipur**

## **Special Instructions to bidders for submission of bid through SAP- SRM module (e-bidding)**

The tender specification no. **TR-21/S&P/35** is to be processed through e-bidding. The bid is to be submitted online as well as offline (hard copy). Details of NIT & Tender Documents are available on our website – <http://www.cspc.co.in> & <https://ebidding.cspcl.co.in:50724/irj/portal>. The bidder may download the same from the above site. In e-bidding portal, tender documents will be displayed in online tender display at Technical RFX section.

**For bidders, it is recommended to open the e-bidding portal by the following the path [www.cspc.co.in](http://www.cspc.co.in)->e-Bidding->"click here for e-Bidding Web portal".**

Last date & time of submission of bid in hard copy and also in softcopy is **02.12.2021 upto 3.00 pm** and due date & time of opening of part –I and part-II of the tender is **02.12.2021 at 3.30 pm.**

### **Important Instructions :-**

1. Please note that this tender shall be processed online as well as offline. The bidder has to submit all the documents in hard copy as per tender specifications in four envelopes. Besides above, scanned copy of following documents are to be uploaded in e-bidding portal:-
  - (a) The scanned copy of DD for tender fee.
  - (b) The scanned copy of DD for EMD/ EMD exemption.
  - (c) Schedule V commercial information.
  - (d) Schedule VI (A) Schedule for commercial deviation.
  - (e) Schedule VI (B) Schedule for Technical deviation.It may please be noted that only above mentioned documents are to be uploaded in e-bidding portal and no other document is required to be submitted in e-bidding portal. The bidder shall give reply to following questions regarding above documents in e-bidding portal:-
  - (i) Whether scanned copy of tender fee DD uploaded. Yes/No
  - (ii) Whether scanned copy of DD of EMD /EMD Exemption uploaded. Yes/No
  - (iii) Whether scanned copy of Schedules of Commercial information Yes/No
  - (iv) Whether scanned copy of Schedules of Commercial deviation Yes/No
  - (v) Whether scanned copy of Schedules of Technical deviation Yes/No
2. **It is not required to upload /attach scanned copy of price bid in soft copy. Only the rates are to be filled in the item tab in e-bid in SAP SRM System (online e-tender). Rates should be quoted online & in specified fields only.** Once the rates are filled, the bidders may change their rates upto the due date and time of submission of tender. After due date and time, no change on any ground whatsoever will be accepted.
3. After scrutiny of techno-commercial bid, the price bid will be opened in e-bidding system only of eligible bidders for which suitable intimation will be given to the bidders offline & through email.
4. Please note that e-mail is always system generated, hence bidders are advised to regularly check their inbox/junk mail box.
5. CSPTCL shall not assume any responsibility for non-supporting of system, internet, line & associated hardware & software for bidding their tender. No extension in time shall be granted on such grounds. The bidder should submit their bid well before submission dead line to avoid any system related problem. It is strongly recommended

- not to wait for submission of bid in last minutes as internet/technical problem may disrupt their works.
6. Reference time for submission dead line shall be the time displayed in the portal and shall be treated as final.
  7. After end of submission dead line, no alteration in the tender will be allowed by the system. However, in case of extension of due date of opening of tender, the bidders will be allowed to submit revised bid in the system.
  8. CSPTCL will not accept incomplete bid.
  9. The bidder must have a valid Digital Signature & SAP SRM User ID. User ID & Password from CSPTCL and Digital Signing Certificate and Digital Encryption Certificate from any recognized digital signature issuing authority are required for participation in any Tender. The bidder shall intimate in advance regarding details of digital signature issuing authority for ensuring the reliability of the same. For User ID and Password for participating in the tender, the bidder shall register on line through e-bidding portal.
  10. The e-bidding vendor user manual displayed on website-<https://ebidding.cspcl.co.in:50724/irj/portal> for the help of the bidders. For any further queries the bidder may contact at Helpline no. 0771-2576672/73 (EITC, CSPDCL, Raipur)
  11. The training for bidders will be on every Wednesday from 3.00 pm to 5.00 pm at office premises of Energy Info Tech Center (EITC) at Dangania, Raipur.
  12. Tender shall be opened in the scheduled time as notified. If the due date of opening/submission of tender documents is declared a holiday by the Govt. or local administration, it will be automatically shifted to next working day for which no prior intimation shall be given. Tender opening shall be continued on subsequent days, in case the opening of all tenders is not completed on due date because of the technical constraints of system on the day of opening. It may be noted that the due date of opening/time may be altered/ extended if desired by CSPTCL without assigning any reason. However, intimation shall be available on company's tender portal/bidders email (if participation shown). The bidders are requested to keep track of the same.
  13. Amendment in tender specification will be published on our website as well as in SRM system and the intimation regarding amendment in date extension will be conveyed through system generated e-mail to registered bidders only.
  14. Before participating the bidder shall carefully read all the instructions and processes.
  15. Tender duly completed in all respects will be accepted online up to due date & time and will be opened on the due date at specified time in the presence of tenderers or their authorized representatives. In case of authorized representative(s) they shall bring the original authorization letter with their signature attested by the bidder.

**Executive Director (S&P)**  
**CSPTCL: RAIPUR**

**SECTION-I**  
**INSTRUCTIONS TO BIDDERS**

**IMPORTANT:** Except as otherwise provided in any subsequent modification/LOI/Order, the provision of this Section shall have effect notwithstanding anything inconsistent therewith contained in any other Schedule/Annexure/ Clause/ Terms/ Condition of this tender document).

**e-Bidding & Due date:** Please note that the Tender shall be processed through e-Bidding. Instruction to Bidders for submission of Bids through SAP-SRM Module (e-Bidding) are detailed in **Instructions to bidders for submission of bid through SAP-SRM module (e-bidding)**

1. The bidders are requested to go through these instructions carefully and submit the tender in e -Bidding portal and also in hard copy accordingly.

Date of submission of tender is **02.12.2021** upto **3.00 PM** and tender will be opened on same day at 3.30 PM in the Office of ED (S&P), CSPTCL, Danganiya, Raipur, through E-bidding as per the guidelines .

The Chhattisgarh State Power Transmission Company Ltd., Raipur (or any authority designated) - hereinafter called 'OWNER' or 'CSPTCL' or 'Company' - will receive bids as per the accompanying specification. All bids shall be prepared and submitted in accordance with instructions, terms and conditions stipulated in the tender.

2. **Tender Fee:** - The tender document can also be downloaded from official website of the CSPTCL ([www.cspc.co.in/csptcl](http://www.cspc.co.in/csptcl)). In case bidder chooses to submit his offer on downloaded tender document, they will be required to deposit specified tender fee (cost of tender documents- non refundable) in form of DD in favour of Manager (RAO:HQ), CSPTCL, Raipur payable at Raipur. The bank draft shall be issued from the nationalized/ scheduled bank. **DD should be enclosed with the part I of the tender offer.** In absence of tender fee, offer will not be considered for opening of price bid.

3. (i) **Earnest Money:**- The Earnest Money in the instant tender is **Rs. 1,55,616/- (Rs. One Lakh Fifty Five Thousand Six Hundred & Sixteen only)** payable in the form of demand draft in favor of Manager (RAO : HQ), CSPTCL, Raipur.

(ii) **Goods & Service Tax:-**The bidder should furnish valid GST registration number and certificate alongwith EMD. In absence of GST registration the offer shall not be accepted.

4. The bidding is open to manufacturers only who can provide satisfactory evidence to substantiate this.

5. **Qualifying Requirements:-**

The bidder is required to furnish self attested documentary proof for having acquired following pre qualifying requirement (PQR):-

S.N	PQR for the Instant Tender	Documents to be submitted by Bidder in support of PQR The bidder should submit the Self attested copies of following documents:-
(A)	<b><u>Technical &amp; Supply Experience Requirement</u></b>	



<p><b>1.1</b></p>	<p>The Bidder should be an Indian manufacturer of <b>220 KV or higher voltage class Isolator</b> having manufacturing unit in India.</p> <p style="text-align: center;"><b>“OR”</b></p> <p><b>An authorized distributor or dealer or Channel partner or bidder with manufactures authorization letter of Indian manufacturer :-</b> An authorized distributor or dealer of Indian manufacturer of tendered item/items, who have established marketing setup/office &amp; servicing facility in India.</p> <p><b>Note:-</b></p> <p>a) In case of Distributor/ Dealer/ Channel partner/Bidder is participating in the tender on behalf of one manufacture, is not allowed to participate/ quote on behalf of any other manufacture in this tender.</p> <p>b) If original equipment manufacturer (OEM) is participating in the tender. In such cases, Distributor/ Dealer of OEM shall not be allowed to participate in this tender.</p> <p><b><u>All such bid of the distributor / dealer shall be rejected.</u></b></p>	<p>In support of bidder being manufacturer of tender item/items self attested valid NSIC/DIC (DIC is applicable for CG state SSI unit) certificate should be submitted. In case firm is not registered with NSIC/DIC, self attested copy of valid factory license issued by industries department of State/Central Government for tendered item/items should be submitted.</p> <p>(i) Copy of resolution of Board of Director of the Company for appointment of authorized signatory in case the bidder is a company registered under Companies Act; or</p> <p>(ii) General authorization issued with reference to the tender in favour of particular distributor/ dealer/ bidder by the manufacturer; or</p> <p>(iii) Letter of appointment of authorized signatory signed by the managing partner in case the bidder is a partnership firm, or</p> <p>(iv) Letter of appointment of authorized signatory signed by the Proprietor in case the bidder is a proprietary firm.</p>
<p><b>1.2</b></p>	<p>The Bidder should have a minimum experience of at least <b>five (5) years</b> for manufacture and supply of 220 KV or higher voltage class Isolator to following Indian Entities as on date of issue of NIT:-</p> <p>i) Power utilities owned and controlled by Central or State Govt, <b>Or</b></p> <p>ii) PSUs, <b>Or</b></p> <p>iii) Govt. organizations directly or through turnkey contractors</p>	<p>(A)Direct supply to utility:-</p> <p>i) In support of Bidder having minimum experience of at least five (5) years of manufacturing and supply of 220 KV isolator or higher voltage class isolator copies of purchase orders (in the name of manufacturer) and relevant MRCs (Material Receipt Certificate) issued by the entities mentioned in clause 1.2 will be submitted. The date of receipt mentioned in the MRC will be treated as actual date of supply.</p> <p>ii) The supply experience as on</p>

		<p>date of issue of NIT will be counted from the aforesaid actual date of supply. In case of non-availability of MRC , commissioning certificate / Performance certificate may also be treated as proof of actual supply provided it establishes the requirements as per PQR and is issued by an officer not below the rank of Executive Engineer/Manager of the entities in clause 1.2 of PQR.</p> <p><b>iii)</b> If performance certificate indicates both proof of supply experience of five (5) years or more and satisfactory performance for one (1) year or more, separate MRC will not be required as a proof of supply. However, if only MRC is submitted as proof of supply, performance certificate will have to be submitted separately to establish minimum performance of one (01) year as per PQR. All these documents should be attested by the authorized signatory of the tender.</p> <p><b>B) Through Turnkey contractors:-</b></p> <p><b>i)</b> Self attested Copies of order issued by entities in clause 1.2 of PQR to the turnkey contractor (Order should be in the name of turnkey contractor</p> <p><b>ii)</b> Self attested copies of order issued by the turnkey contractor(s) to the manufacturer (bidder).The date of order issued by the turnkey contractor to the manufacturer should be older than five (5) years as on date of issue of NIT.</p> <p><b>iii)</b> Self attested copies of inspection letter and dispatch clearance issued by the entities mentioned in clause 1.2 of PQR to</p>
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		<p>the manufacturer (bidder).</p> <p>iv) Self attested Copies of invoice issued by the turnkey contractor to the entities mentioned in clause 1.2 of PQR.</p> <p>v) Self attested copies of performance certificate issued by the entities mentioned in clause 1.2 of PQR towards proof of execution of order placed by the turnkey contractor to the manufacturer (bidder) and successful performance of minimum one (1) year.</p>
<b>1.3</b>	The <b>220 KV Isolator or higher voltage class Isolator</b> should be in successful operation for <b>minimum one (1) year</b> from date of commissioning as on date of issue of NIT in the <b>aforsaid entities mentioned in clause 1.2.</b>	In support of satisfactory performance , a self attested copy of performance certificate in support of minimum one (1) year successful performance issued by the entities mentioned in clause 1.2 of the PQR will have to be submitted.
<b>1.4</b>	The bidder should have all type test/special test reports conducted as per relevant standards i.e. ISS/ IEC carried out at & issued by Govt. Standard laboratory/ NABL accredited laboratory /ILAC accredited Laboratories . <b>The temperature rise test and short time withstand current &amp; peak withstand current test should be carried out on 245 KV ,Centre break Isolator on rated current or higher current rating. Other type test should be carried out on 245 KV Centre Break Isolator.</b> The type test/special test on 245 KV Centre break Isolator (s) should not be older than <b>ten (10) years</b> as on the date of issue of NIT.	The bidder should submit self attested copies of all type test reports required as per clause 1.4.
<b>(B)</b>	<b><u>Commercial / Financial Requirement:-</u></b>	
<b>1.1</b>	The bidder should have Minimum Average Annual Turn Over (MAAT) for best three years out of last five financial years i.e. <b>2015-16, 2016-17, 2017-2018 , 2018-2019 &amp; 2019-20</b> of <b>Rs. 2.40 Cr. (Rs. Two Crore Forty Lakhs only).</b>  In case bidder is a holding company, MAAT shall be that of holding company only (i.e. excluding its subsidiary / group	Statement of annual turnover (as per annexure of the tender), audited balance sheets and profit & loss statement duly certified by Chartered Accountant. The audited balance sheets furnished should be for last five financial years (i.e. <b>F.Y 2015-16 , 2016-17 , 2017-2018, 2018-2019 &amp; 2019-20</b> ).

	companies). In case bidder is a subsidiary of a holding company, the MAAT shall be of subsidiary company only (excluding its holding company).	
<b>1.2</b>	Net worth of bidder for last three financial years i.e . <b>2017-2018 , 2018-2019 &amp; 2019-20</b> should be positive. Net worth means the sum total of paid-up capital and free reserves (excluding reserves created out of revaluation) reduced by aggregate value of accumulated losses (including debit balance in profit and loss account for current year) and intangible assets.	A statement showing 'Net worth' including assets and liability of the bidder duly certified by chartered accountant for the last three financial years (i.e <b>F.Y. 2017-2018 ,2018-2019 &amp; 2019-20</b> ) shall also be furnished.
<b>1.3</b>	<b>The bidder shall submit the original undertaking duly certified by CA that:-</b> <b>(a)</b> All payment obligations (principal and/interest) on outstanding debentures have been discharged and no such payment which was due on <b>30.06.2021</b> is outstanding/ overdue. <b>(b)</b> The bidder is presently not in default in payment of any bank loan/interest for more than three months or any loan account of the bidder has not been classified as NPA (Non Performing Asset) by the creditor/lending bank as on date of issue of NIT.	Original certificate issued by CA as per clause 1.3
<b>( C )</b>	<b><u>Other Requirements :-</u></b>	
<b>1.1</b>	The bidder should not be debarred / black listed by bank/ State Govt./ Central Govt./ State PSU/ CPSU/ SEB/ Public utility as on the date of issue of NIT. However, the bid may not be considered for further processing in following cases also:- a) If bidder is debarred /blacklisted by Bank/State Govt./Central Govt./State PSU/CPSU/SEB/Public utility up to date of opening of price bid of the instant tender. A declaration in this regard shall be furnished by the bidder. b) If a case comes to notice regarding submission of forged/fake documents in any other tender under process in CSPTCL up to date of opening of price bid of the instant tender.	A declaration in this regard shall be furnished by the bidder
<b>1.2</b>	"Any sum of money due to CSPTCL on the date of opening of tender should have been	A declaration in this regard shall be furnished by the bidder

	paid/settled in full prior to the date of opening of tender. Price bids of bidders not complying with this requirement shall not be opened. A declaration in this regard shall be furnished by the bidder.	
<b>1.3</b>	The bidder shall have to submit pre-contract integrity pact in the format enclosed as <b>Annexure-I</b> on non-judicial stamp paper worth <b>Rs.300/-</b> duly signed by the bidder along with the Techno-Commercial bid. The validity of this integrity pact shall be from the date of its signing and extended up to 02 years or the complete execution of the order to the satisfaction of both the Buyer and the Bidder/Seller, whichever is later. In case Bidder is unsuccessful, this Integrity Pact shall expire after six months from the date of its signing.	The bidder shall have to submit pre-contract integrity pact in the format enclosed as per <b>Annexure-I</b>
<b>1.4</b>	All the documents/statements/attachments/information submitted by the bidder in proof of the qualifying requirements must be authentic/genuine/correct and in case, any of the said documents /statements /attachments /information is found to be false/fake/misleading the bidder will be disqualified and action will be taken against the bidder as per relevant provision of the tender.	A declaration in this regard shall be furnished by the bidder.

**All documents should be self attested by authorized signatory of the tender only.**

6. Tenders being submitted must be signed by a person holding a **Power of attorney** authorising him to do so. The self attested copy of power of attorney should be furnished. Tenders submitted on behalf of company registered under Indian Companies Act shall be signed by persons duly authorised to submit the tender on behalf of the company and shall be accompanied by self attested copy of resolution / abstract of Article of Association/ special or general power of attorney.
7. The offered prices should be variable as per IEEMA price variation formula as per circular enclosed in Annexure-II of this specifications with base indices as issued by IEEMA in its circular one month prior to the due date of opening of TC bid. In case of any extension of due date the base date for working out the price variation shall be as per the original due date only. If delivery of material get delayed beyond contractual delivery period, price variation claimed shall be governed as detailed in clause 4.3.1 page 13 of section-I of this specifications.

PRICE BID has to be filled in prescribed format only as per Schedule-I and submitted in e-Bidding portal only. Ex-works price including packing and forwarding

charges should be quoted. GST & freight charges should be quoted separately. **The total F.O.R. destination price should be quoted in the relevant column.**

8. The rates quoted in the price bid (in e-Bidding module only) shall be taken as final. However, in case of any mistakes / errors found in calculation for arriving total value of contract, corrections shall be made for the purpose of computation to decide relative position of bidder. Whereas while placement of order the lowest rate shall be taken.
9. The tender offers of those Bidders, who do not agree to CSPTCL's payments terms, security deposit clause, liquidated damage clause, performance guarantee clause shall be liable for rejection.
10. The tender document shall be available for sale in the Office of ED (S&P) on payment of the cost of tender document through demand draft on all working days up to one day prior to the due date of opening. The tender document shall also be displayed in CSPTCL's website i.e. www.cspc.co.in and bidders may download the tenders from the website directly. In such case, the payment of cost of tender document shall be made through demand draft along with the tender. The details are given in clause No. 5 of Section-I (General Instruction to bidders).
11. The Company reserves the right to reject any or all tenders or accept any tender in full or part, considered advantageous to the C.S. Power Transmission Co. Ltd., whether, it is lowest or not without assigning any reason whatsoever.
12. **The bidder should ensure following points in order to avoid rejection of tender:-**
  - i) DD towards EMD **OR self attested** proof of exemption valid on due date of opening is to be submitted in envelope –I. Please note that in case of exemption claimed from EMD by the SSI units registered under NSIC/ DIC, the copy of certificate issued by concerned authority along with enclosures, in which name of materials for which certificate has been issued should also be furnished. The name of material under tender should appear in this list. Further, the copy of certificate (each page) should bear original signature of the bidder. In case of non compliance of above instructions, tender shall be liable for rejection.  
**The bidder should furnish valid GST registration number and certificate alongwith EMD. In absence of GST registration the offer shall not be accepted.**
  - ii) DD toward tender document cost, in case tender has been downloaded from our website, is also to be placed inside envelope-I. In case of non compliance of above instructions tender shall be liable for rejection.
  - iii) Techno-Commercial Bid is to be submitted inside envelope II.
13. **'EXTREMELY IMPORTANT' - Bidders to note this to avoid rejection**
  - i) **Attention of bidder is drawn to the fact that all the documents required as tender are submitted alongwith bid or before due date of tender. The submission date is cutoff date submission of all the document required as per tender and every bidder must adhere to this deadline. However , if any short coming is observed during Scrutiny of TC Bid , CSPTCL reserve the right to seek request clarification /documents from bidder giving them only one chance to such required documents/ clarifications confirmations within specified time limit.**
  - ii) **It may also be noted that if a bidder has quoted 'NIL' deviation (Schedule VI-A & Schedule VI-B) in the bid, this will have an overriding effect on any other conditions noted as deviations elsewhere in the bid and no**

**correspondence will be made to withdraw such specific contradictory conditions”.**

14. **CHECK – LIST:-**

**The check list (Schedule-XIII) in respect of various schedules etc is required to be submitted by the bidder without which the tender will be considered incomplete and liable for rejection. The bidder should submit all schedule duly filled in along with this offer**

\* \* \*

## **GENERAL INSTRUCTIONS TO BIDDERS**

### **1. SCOPE :-**

The tender specifications shall cover supply of tendered items as per the technical specifications mentioned in Section-II of the tender document.

### **2.1 ACCEPTANCE OF OFFERS:-**

While the Bidders may make all out efforts to offer for the complete scope of tender, they may please note that the CSPTCL reserves the right to split the tender into different lots towards supply.

Bidders are advised to go through the contents of specific requirement for standard conditions very carefully and in absence of non-compliance/lapse, responsibility for the same will rest on Bidders.

### **2.2 CRITERIA FOR PLACEMENT OF ORDER: -**

The entire tendered quantity will be offered to **L-1 bidder**. The following points will also be considered for placing the orders:-

- (i) The competitive rates quoted by each Bidder: - The original ranking based on FOR destination rates offered.
- (ii) The production capacity and past performance as on date of NIT against the tendered material supplied against CSPTCL's orders.

### **3.**

Bidders are requested to go through our Technical requirement carefully and it may be noted that furnishing of all information as required in various schedules enclosed is a must. In case any of the schedule, duly filled in, is not found furnished as required in the Schedules /Annexure the tender will be treated as incomplete, and will be liable for rejection without any correspondence by the CSPTCL.

### **3.1 Extension Order:**

The CSPTCL reserves the right to place extension order for supply of 50% additional quantity of material/equipments with associated accessories within six months from date of order and accordingly offered prices should be taken into account for these requirements.

For procurement of singular quantity of material/equipments the extension order clause shall be applicable for 100% additional quantity.

### **3.2 Price reduction clause:-**

In case a fresh tender is issued for the same item before completion of supply against extension order and lower rates are received in the fresh tender. The lower rates received in the fresh tender shall be applicable to the quantity of extension order balance to be supplied also.

### **4. OFFERS:-**

The offer for equipments/materials is required to be submitted in duplicate in separate sealed envelopes for which following details may be noted:-

### **4.1 Part-I: EARNEST MONEY DEPOSIT:**

Please note that techno-commercial bid of tender will not be opened if earnest money is not deposited in form of demand draft for the value mentioned in tender clause No. 3 of "SPECIAL INSTRUCTIONS TO BIDDERS" in the tender, unless exempted by the CSPTCL.

The following are exempted from payment of EMD:-

- i) SSI units of Chhattisgarh state permanently registered with DIC. The registration should be permanent & should be specifically for the items quoted in the tender &



- valid on the date of opening of tender. Self attested copy of certificate should be submitted.
- ii) Small scale units registered with NSIC: - In case of small scale units registered with NSIC, their registration certificates should be valid for the item under tender on due date of opening of Techno-commercial bid. In case the certificate is not valid on due date of opening the tender shall be liable for rejection. *Incomplete certificate should not be submitted. The list of items for which certificate is valid should also be furnished and name of item under tender should appear in this list failing which tender shall be liable for rejection.*
- iii) Fully owned State Govt /Central Govt. units, if 100% shares are held by the state Govt. concerned for which self attested documentary evidence must be furnished with offer.
- iv) Self attested photocopy of the NSIC/ SSI registration certificate for the tendered item should be furnished with the offer. In case of not having self attested photocopy, the original certificate should be produced at the time of opening for verification failing which their offer will be liable for rejection.
- v) The Bidders who come under any of above category must produce documentary evidence failing which offer shall be rejected.  
**It has been noticed that some bidders submit photocopy of a certificate. This is not acceptable. The photocopy of valid NSIC certificate should be self attested (i.e. copies attested by authorized signatory of the tender) failing which tender shall be liable for rejection.**
- vi) **The valid GST registration number and certificate alongwith EMD should be furnished. In absence of GST registration the offer shall not be accepted.**  
In case the bidder withdraws his offer during the validity period or after placement of order, the Earnest Money shall be forfeited. EMD of unsuccessful bidders shall be returned on placement of order. EMD of bidder on whom order is placed shall be returned on acceptance of security deposit. No interest shall be paid on the EMD amount.

#### **4.2 Part – II (A):- TECHNICAL BID:**

4.2.1 In this part of bid, Bidder will have to furnish confirmation in regard to all our Technical requirements. The bid should clearly describe various technical particulars, as per details given in this specification. Also along with above information all details required in various schedules should be furnished so that the purchaser may be able to examine whether the offer submitted is technically acceptable or not. All relevant technical schedules viz. Guaranteed Technical Particulars, technical deviation etc shall be submitted with the bid.

**The bidder shall have to submit pre-contract integrity pact in the format enclosed as Annexure-II on non-judicial stamp paper worth Rs. 300/- duly signed by the bidder along with the Techno-Commercial bid.**

#### **4.2.2 COMPLETENESS OF EQUIPMENT AND BOUGHT OUT ITEMS: -**

The Bidders must furnish the following information along with technical bid.

- i) The responsibility for obtaining timely supplies of bought out items will rest on the Bidder and only on this basis, delivery period will be offered in the tender.
  - ii) It may be noted in the case of damages/shortages due to improper packing or any other negligence, replacement shall be arranged within one month's time. If this is not done, date of delivery of such accessory will be treated as date of delivery of main equipment and full liquidated damage shall be recoverable from the Bidder on total cost of the material.
  - iii) For bought out items, responsibility for guarantee and obtaining immediate replacement in case any defects are noticed and in case defective supply of any item is reported will rest on the Bidder.
  - iv) In case for attending to defect in any equipment or inspection/replacement of the equipment, which may be bought out item for the Bidder; services of engineer of original manufacturer is required, the same will be organised on immediate basis by the Bidder at his cost.
- 4.2.3 It would be obligatory on the part of Bidder to enclose a schedule of Technical deviation in Schedule VI-B in case there are any deviations from our technical requirement. **Even if no deviations are involved, a separate schedule of deviation for technical particulars should be enclosed wherein a certificate may be recorded that there are no deviations from all our technical requirements.** In the event of non-compliance of this instruction, it may be noted that the CSPTCL reserves the right to reject all such offers without assigning any reason or without making any correspondence for obtaining any clarification.

#### 4.3 Part – II (B) COMMERCIAL BID:

This bid should clearly spell confirmation in regard to various commercial terms and conditions for supply. Basis of price, acceptance of various important terms and conditions for supply and questionnaire for commercial terms and conditions for supply duly filled in, will form part of commercial bid. All commercial schedules viz. commercial terms & conditions, commercial deviations, bidders experience, details plan of manufacturing & testing shall be furnished with this bid.

It may please be noted that it is obligatory on the part of Bidder to comply with all our commercial terms and conditions. In particular, **specific confirmation towards acceptance of following commercial terms and conditions should be furnished in the tender.**

##### 4.3.1 PRICES & TAXES:

The prices offered should be valid for 180 days from due date of tender in Indian Rupees only. Quoted prices for **220 KV Centre Break Isolator(Springless type)** should be variable as per IEEMA formula indicated in Annexure-II with base indices as issued by IEEMA in its circular one month prior to the due date of opening. In case of any extension of due date the base date for working out the price variation shall be as per the original due date only and the validity of offer shall be counted from the extended due date on which TC bid has been opened. The payment shall be initially done on the basis of base rates offered by the bidder subject to price adjustment to reflect changes in cost.

The prices should be quoted in the proforma given in schedule-I indicating unit ex-works price inclusive of packing & forwarding charges, GST, freight charges & any other charges should be quoted separately in the relevant columns. The freight shall be on FIRM basis irrespective of whether the ex-works prices are firm or variable. It may please be noted that only statutory variations due to Govt. Regulation in the rate of GST shall be permitted by CSPTCL only within contractual delivery schedule. In case supplies against the contract are affected late i.e. beyond contractual delivery period and rate of GST undergoes upward revision the payment will continue to be made

only on the basis of rates prevailing during the contractual delivery period. However, in case the rate of statutory levies undergoes downwards revision than the delayed supplies beyond contractual delivery period will attract reduced rate of levies/ GST.

The following clause regarding price variation shall be applicable:-

The price adjustment shall be invoked by either party subject to the following conditions:

- i) The payment shall initially be done on the basis of base rate offered by the bidder subject to price adjustment to reflect the changes in the cost. **The price variation shall be applicable on Ex-works component of item only.**
- ii) For calculation of price adjustment date on which the equipment is notified to be ready for inspection at the works of the manufacturer shall be taken as date of delivery provided the material is passed in the inspection and material is received in CSPTCL's Area Stores within 21 days from date of issue of dispatch instructions failing which actual date of receipt of materials shall be treated as date of delivery.
- (ii) In case of delay in supply beyond contractual delivery, price variation up to scheduled delivery date or actual date of delivery, whichever is advantageous to CSPTCL, shall be considered.
- (iii) The bidder shall submit price adjustment invoices for supplies positively within three months from date of supply whether positive or negative. **However, Price adjustment invoices submitted after 06 months from date of supply of material will not be entertained for payment, however negative variations in the prices will be recoverable.** The invoices should be supported with calculation of price variation along with documentary evidence of applicable indices. If price adjustment works out to be positive, the same is payable to contractor by CSPTCL and if it works out to be negative, the same shall be recovered from the contractor. The price variation bills should be submitted to Manager (Bills) O/o GM (Finance), CSPTCL, Raipur.
- (iv) In case subsequent to issue of this enquiry IEEMA notifies either modification in prevailing formula or new formula the same shall be applicable.

#### 4.3.2 TERMS OF PAYMENT:

95% payment along with all taxes and duties shall be made on production of necessary documents along with material receipt certificate (MRC) from our consignee within 30 days time. Balance 5% cost of isolator. shall be paid after successful installation of isolator. The instructions for payment of balance 5% shall be issued by order placing authority on the basis of OIC's report regarding successful installation of isolator along with all accessories.

However, if in case of any individual isolator, CSPTCL decides to carry out the work of erection, testing & commissioning departmentally, then 100% payment along with all taxes and duties shall be made on production of necessary documents along with material receipt certificate (MRC) from our consignee normally within 30 days time.

The supplier should submit original Material Receipt Certificate issued by the Area Stores along with copies of bill and other necessary documents to Manager (Bills), O/o ED (Fin.) CSPTCL, Raipur for arranging payment.

#### 4.3.3 DELIVERY PERIOD:

The delivery of ordered quantity should be completed within **two (02)** months from date of order in all respect. The drawings should be submitted in three set within 10 days from date of issue of order.

The time for and date of delivery of the stores stipulated in the order shall be deemed to be the essence of the contract. In case of delay in execution of the order, the CSPTCL shall either:-

- (i) Recover from the supplier as agreed Penalty/liquidated damages at the rate mentioned in "liquidated damage" clause.
- (ii) Purchase elsewhere on account and at the risk of the supplier, the stores not delivered or other of similar description or;
- (iii) Cancel the contract.

#### 4.3.4 LIQUIDATED DAMAGE:

The time for and the date of delivery of the material stipulated in the order shall be deemed the essence of the contract. In case of delay in execution or non-execution of the order, the CSPTCL at its option shall recover from the supplier/contractor as agreed towards liquidated damages a sum of ½ % of the total price of any stores not delivered per week or part thereof up to a maximum of 10%..

For this purpose date of offer (**date of readiness of material for inspection shall be treated as date of offer**) for inspection of material in the O/o ED (S&P) shall be considered as the date of delivery subject to condition that :-

- i) The intimation of readiness of material in respect of each lot should be made atleast 15 days in advance from the scheduled date of completion of supply.
- ii) Material should be delivered at stores within 21 days from issue of dispatch clearance. Please note that in case material is not received within 21 days from date of issue of dispatch instructions even though the delivery period exists liquidated damage shall be imposed on delay of dispatch.

The inspection offer, apart from postal/courier service shall be invariably **Faxed/E-mailed** to the ED (S&P) so that ambiguity does not arises for date of offer. In case the inspection offer is not received in the O/o ED (S&P) through Fax/E-mail the date of receipt of offer letter shall be taken as date of offer for inspection.

#### 4.3.5 GUARANTEE PERIOD:

Equipments offered and associated accessories covered under the tender shall be guaranteed for performance and quality for a period of 30 months from the date of supply in Store or 24 months from date of commissioning whichever is earlier.

In case any defect in the equipment/material is found within guarantee period, the same will be replaced/repared by you on free of cost basis. The replacement/repairing will have to be organized by you expeditiously and in any case within one month's time.

If for the purpose of replacement/repairs, the equipment/material is required to be dispatched to your works, all charges towards transportation/insurance/ packing/ forwarding will have to be paid by you for to and fro dispatches. In this connection,

please note that the following additional conditions will also be applicable in case any damages/defects are noticed in the equipments or its accessories supplied by you.

- i) If the material develops defect within guarantee period after installation at site, for the purpose of replacement/repairs & if the same is dismantled and taken out by us. In such cases actual cost of dismantling and replacement of the equipment/material will also be recoverable from you.
- (ii) In case it is observed that replacement/repairs of equipments or its accessories is not being provided to us within one month time from date of report of defect to you and proper response is not received from you, then apart from operating clause of liquidated damage (which provides for imposition of

penalty/liquidated damages, risk purchase at your cost and cancellation of contract) the CSPTCL may also take suitable penal action against you which may include debarring you from all future business with the CSPTCL for a period which will be at the discretion of the CSPTCL.

- (iii) In case of replacement of material due to failure within guarantee period, the guarantee shall automatically get extended. In such case, the material shall be guaranteed as per the terms of guarantee with the commencement date of guarantee from the date on which replaced material has been received.

#### 4.3.6 SECURITY DEPOSIT:

The supplier has to submit the security deposit in form of Demand Draft / Bank Guarantee for value of order as indicated below to cover performance guarantee period for supply of equipments covered in this specification.

- (i) All outside state units shall be required to pay security deposit @10% of total order value.
- (ii) All the SSI units of CG having annual business is above Rs.50 Lakh ,shall be required to pay Security deposit @7.5% of the value of order subject to maximum of Rs.10 Lakhs (Ten Lakhs).
- (iii) In case of SSI units of CG whose annual business is up to 50 Lakh, they shall be required to pay Security deposit @ 5% of the value of purchase order with maximum limit of Rs. 20,000/- (Twenty Thousand) only.
- (iv) In support of annual business of SSI units of CG, the certificate of Chartered Accountant duly notarized should be furnished. **The bank guarantee shall be submitted within 30 days from date of order and shall be kept valid for guarantee period exceeding claim period of 06 months.** The bank guarantee shall be submitted on stamp paper worth Rs. 250/- or as per the prevailing legal requirements/ any other amount as per the C.G. State Stamp Duty Act and shall be from a Nationalized/ Scheduled Bank in the prescribed form of CSPTCL. No interest shall be paid by CSPTCL on the security deposit. In case of non-fulfillment of contractual obligations by the supplier the security deposit shall be forfeited.

#### 4.3.7 TRANSIT INSURANCE & RISK:-

- a) Responsibility regarding covering of risk, during transit of material shall entirely be on the supplier. The CSPTCL, shall in any case, not bear the transit risk/transit insurance charges.
- b) Transit damages/ shortages/ losses shall be reported by the consignees within 30 days from the receipt of the consignments. Such damages/shortages/losses shall be repaired /replaced by the suppliers, free of cost within one month from the date of intimation by the consignee without waiting for the settlement from carrier or insurance company etc. If the supplier fails to do so the consignee(s) shall be free to get the repair work done fro other sources and they shall be free to recover the cost of such material/ expenses of repairs either from the supplier/balance bills or from the security deposit as deemed fit.
- c) While the necessary assistance shall be rendered by the consignee in lodging and processing the claims with carriers and the supplier's insurance underwriters, the responsibility shall rest with the supplier to immediately make good the shortages/

losses/ damages, without extra cost and without waiting for the settlement of the claim.

- d) Replacement of goods lost/ broken or damaged including loss to fire:- Notwithstanding anything herein contained, the supplier shall undertake responsibility for the safe arrival of the material in good condition and without any loss or damage at the final destination and until the same is actually delivered to / received by the CSPTCL at its stores or other places of final destination. For this purpose, material carried by Railway or Road transport or other carriers shall be deemed to be so carried at the risk of the suppliers. In the case of transport damages/shortages, the payment shall be made only for the quantity received in good and working condition and consignee shall lodge claim with the supplier/carrier with necessary documents of the same with carriers at supplier's end.

#### 4.3.8 **DEVIATIONS:-**

It would be obligatory on the part of the Bidder to enclose a separate schedule of deviation, if there are any deviations from our commercial terms/conditions. Even if no deviations are involved, **a separate schedule of deviation for commercial conditions should be enclosed wherein a certificate may be recorded that there are no deviations from all our commercial conditions.** All tenders, wherein these conditions are not complied with, may run the risk of rejection without any correspondence from our side.

- 4.3.9 **UNSATISFACTORY PERFORMANCE:** The bidder who has supplied material earlier in CSPTCL and which has been found to be defective / not rendering satisfactory service within guarantee period and has not been replaced in the stipulated period shall not be considered for opening of price bid. (The cases reported as on date of NIT shall be considered).

In addition to the above, the bidders who have supplied material to CSPTCL and if any adverse reports regarding higher rate of failure, poor performance of equipment or defective supply reported from field, the price bid of such bidders shall not be considered for opening. (The cases reported as on date of NIT shall be considered).

#### 4.4 **Part – III PRICE BID:-**

Price bid shall include submission of details of prices as per Schedule-I. **It is not required to upload /attach scanned copy of price in soft /hard copy. Only the rates are to be filled in the item tab in e-bid in SAP SRM System (online e-bidding portal).** The prices should be quoted through SAP SRM system should indicating unit ex-works price inclusive of packing & forwarding charges, GST, freight charges & any other charges should be quoted separately. However, the delivery schedule offered by bidder should be indicated in Part – II(B) “Commercial Bid”. In case of any discrepancy is found suitable loading on prices will be considered for which responsibility will rest on the Bidder.

5. **SUBMISSION OF OFFERS:-** The Bidders should submit their bids in three envelopes as under:-

(i) **Envelope - I :-** (To contain Part-I of the tender document)

This envelope should contain a covering letter with earnest money or earnest money exemption certificate as detailed in clause (4.1). The cover of the envelope should be suitably super scribed with the details of earnest money and tender number. The envelope should be sealed properly. **The bidder should furnish valid GST registration number & certificate alongwith EMD. In absence of GST registration the offer shall not be accepted.**

In case the tender document is downloaded from CSPTCL's Website the required cost of tender document in the form of MICR DD drawn in favour of Manager (RAO-HQ), CSPTCL, Raipur should also be kept inside this Envelope.

**Please note that the tender shall be liable for rejection if**

- i) EMD as per tender specification / proof in support of exemption of EMD as per clause 4.1 is not found inside the envelope. **The GST registration certificate is not furnished**  
**and**
  - ii) In case DD towards tender cost is not found inside this envelope in case tender document is downloaded from website.
- (ii) **Envelope - II** (To contain Part-II of tender document)  
This envelope should contain the Technical Bid and Commercial bid complete in all respects, in duplicate & Integrity pact as per proforma in Annexure -I.
- (iii) **Envelope -III:-**This large envelope should contain all the above two envelopes. A certificate in the following format should be recorded on main envelope itself.

**TENDER SPECIFICATION No.TR-21/S&P/35 DUE FOR OPENING ON DTD 02.12.2021 FOR SUPPLY OF 220 KV CENTRE BREAK ISOLATORS (SPRINGLESS TYPE) WITH INSTALLATION, TESTING & COMMISSIONING.**

**THIS ENVELOPE CONTAINS THREE ENVELOPES FOR:-**

1. Envelop-I- Part -I of tender document i.e. Earnest Money Deposit ,**GST registration certificate** & cost of tender document, if downloaded.
2. Envelop-II- Part – II (A) i.e. Technical bid & Part – II (B) i.e. Commercial Bid & Integrity pact as per proforma in Annexure -I

**To,**

**The Executive Director (S&P),  
C.S. Power Transmission Co. Ltd.,  
Danganiya, RAIPUR (C.G.) 492 013**

IT IS CERTIFIED THAT WE AGREE TO THE FOLLOWING CLAUSES OF TENDER SPECIFICATION:-

1	PAYMENT TERMS	AGREED
2	SECURITY DEPOSIT	AGREED
3	LIQUIDATED DAMAGE	AGREED
4	PERFORMANCE GUARANTEE & INTEGRITY PACT	AGREED
5	TECHNICAL SPECIFICATION	IT IS CERTIFIED THAT THE MATERIAL OFFERED BY US IS STRICTLY AS PER TECHNICAL SPECIFICATION AS STIPULATED IN THIS TENDER AND IN CASE ANY DEVIATION IS OBSERVED LATER ON, WE SHALL BE SOLELY RESPONSIBLE AND THAT OUR TENDER SHALL BE LIABLE FOR REJECTION.

*Sign & Seal of Bidder*

**Tenders being submitted must be signed by a person holding a power of attorney authorising him to do so. The self attested copy of power of attorney should be furnished.** Tenders submitted on behalf of company registered under Indian Companies Act shall be signed by persons duly authorised to submit the tender on behalf of the company and shall be accompanied by notarised copy of resolution / abstract of Article of Association/ special or general power of attorney.

**6. OPENING OF TENDERS:-**

Part - I i.e. The envelop for Tender Cost (if downloaded) , Earnest Money & GST registration certificate shall be first opened on the due date & time. Part-II i.e. "Technical & Commercial Bid" will be opened thereafter on the same day in respect of the bidders **whose GST registration certificate is attached , EMD are found to be as per tender specification and tender cost is found to be as per tender** . These bids will be scrutinized and then we will take decision regarding opening of Part - III price bid in respect of successful Bidders. For the purpose of opening of price bid, a notice of not less than 7 days shall be given to the Bidders so that they may depute their representative for attending price bid opening. It may be mentioned that period of 7 days will be counted from the date of issue of fax intimation by us. Such intimation shall be given within a reasonable period from the date of opening of commercial and technical bids, and after its scrutiny. Only authorized representatives possessing necessary authority letter from the Bidder shall be allowed to participate in the tender.

**7. COMPLIANCE WITH OTHER CONDITIONS :-**

Although all other conditions have clearly been spelt out in the tender document, it is once again brought to the notice of Bidder that they should go through our tender document carefully and comply all other conditions also, like furnishing of type test report, furnishing of list of past supplies, performance certificate, profit and loss account, balance sheet for last five years etc., furnishing of drawing and write up for the manufacturing process. In the nut shell, the offer at the time of submission of Technical and Commercial bid itself should be complete in all respects. It should not be expected that in case of lack of any information, the CSPTCL will make any correspondence with the Bidder. The documents and details as called for in the tender must be submitted without making any reference to submission of such certificate against past order, tender or past experience of supplies with the Board/CSPTCL etc. All tenders wherein these conditions are not complied with may run the risk of rejection without correspondence from our side.

**8. CHANGE OF QUANTITY:-**

The purchaser reserves the right to vary the quantities of any or all the items as specified in the technical specifications/schedules as may be necessary based on requirement. No correspondence shall be entered into regarding quantity variation.

**9. INSPECTION:-**

- a) The CSPTCL shall have access at all times to the works and all other places of manufacture where the equipments are being manufactured and the supplier shall provide all facilities for unrestricted inspection of the suppliers works, raw material, manufacture of all the accessories and for conducting necessary tests as detailed herein.
- b) The successful supplier shall keep the purchaser informed in advance of the time of starting and of the progress of manufacture of equipment in various stages so that arrangements could be made for inspection.
- c) No material shall be dispatched from its point of manufacture unless the material has been satisfactorily inspected and tested by the CSPTCL's representative.



- d) The acceptance of any quantity of equipment shall in no way relieve the successful supplier from his responsibility for meeting all the requirements of this specification and shall not prevent subsequent rejection if such equipment are later found to be defective.
- e) The readiness of material for inspection should be intimated to O/o the CE (P.&P.), CSPTCL at least 15 days in advance so that Inspector can be deputed on scheduled date. In case material is not found ready on the intimated date of readiness, the CSPTCL reserves the right to recover from the supplier the charges.
- f) **Random testing:**
- a) The CSPTCL's authorized Inspector shall test the samples selected at random from the material offered for inspection and tests as per relevant ISS shall be conducted at their works on the randomly selected samples. In case, the samples fail to withstand the required tests, the entire lot will be liable for rejection .
- b) However, inspection of material before dispatch or waiver of inspection will not relieve the supplier from his responsibility to supply the material strictly in accordance with the tender specification.
- c) If required, the Company may at its option test the samples selected at random from the supplies affected and/or may get the selected samples tested for acceptance / type test as per relevant ISS and Technical specifications at any standard laboratories as deemed fit e.g. CPRI, ERDA etc.
- i) If the sample passes the test, charges towards testing & transportation shall be borne by CSPTCL & the lot shall be accepted.
- ii) In case, the samples fail the required tests, supplier will be required to bear all the charges including transportation and taxes etc paid to standard laboratories e.g. CPRI, ERDA etc. towards conducting the tests and the entire lot will be liable for rejection. The supplier will have to replace/repair the whole rejected lot at his own cost.
- iii) The replaced material, at CSPTCL's option shall be tested for acceptance tests in the Govt. standard laboratory as deemed fit on terms & conditions similar to first testing. If the sample passes the required test, the lot shall be accepted. The charges required for getting the tests conducted shall be borne by CSPTCL. If the sample again fails, the lot shall be rejected & the charges required for getting the tests conducted shall be borne by the supplier and action as per provision of contract shall be taken.
- f) **Stage inspection:**-The CSPTCL reserves the right to carryout stage inspection during manufacture. The inspection will include verification of all raw materials, construction practice, quality control process and inspection of equipment before final assembly. Bidders will have to confirm that they will render all assistance for this purpose.

#### 10. FALSE INSPECTION CALL:

In case, the material is not offered for inspection on the date of inspection offered by the firm, due to any reason the firm shall be required to remit a sum of Rs.50,000/- or actual expenditure incurred in the visit of the inspector whichever is more.

#### 11. QUALITY ASSURANCE PLAN:

The supplier shall invariably furnish following information along with his offer, failing which the offer shall be liable for rejection. Information shall be separately given for individual type of equipment offered.

- (a) Statements giving list of important raw materials, name of sub-suppliers for the raw material, list of standards according to which the raw material are tested, list of tests normally carried out on raw material in presence of suppliers representative, copies of test certificates.

- (b) Information and copies of test certificates as in (a) above in respect of bought out items.
- (c) List of manufacturing facilities available.
- (d) Level of automation achieved and list of areas where manual processing exists.
- (e) List of areas in manufacturing process where stage inspections are normally carried out for quality control and details of such tests and inspections.
- (f) Special features provided in the equipment to make it maintenance free.
- (g) List of testing equipment available with the supplier for final testing of equipment specified and test plan limitation, if any, vis-à-vis the type/ special acceptance and routine test specified in the relevant standards. These limitations shall be very clearly brought out in schedule of deviations from specified test requirements.

## **12. Erection, testing & commissioning:-**

Erection, testing & commissioning work of isolator is to be offered by the bidder in schedule II-B. However, CSPTCL shall have the rights to get the work done either through the bidder or departmentally. The rates should be quoted for erection, testing & commissioning in schedule II-B which should include the cost towards placement of isolator on structure and its erection, testing & commissioning to the satisfaction of CSPTCL's engineer-in-charge. In case erection, testing & commissioning work is offered to the bidder all activities for placement of isolator on structure, erection, testing & commissioning are to be carried out by the bidder with his own man power, tools and plants.. For this purpose intimation shall be given one week advance to the bidders. It will be obligatory on the part of the bidder to depute his gang positively within a week's time from date of intimation. The work should be carried out in supervision of experienced Engineers.

In case erection, testing & commissioning work is done departmentally, your erection engineer & commissioning engineer should be deputed for a period of seven days to supervise erection & five days to supervise testing & commissioning of each isolator.. Although erection works shall be done by us in this case, free services of erection engineer will have to be provided for supervision and guidance. It will be obligatory on the part of bidders to depute their erection supervisor and commissioning engineer positively within one week of telegraphic intimation from CSPTCL failing which action as deemed fit shall be taken which may include forfeiture of security deposit also.

- 13. TEST CERTIFICATE:-** Self attested copies of type test certificate conducted at & issued from Govt. Standard Laboratory/NABL accredited Laboratory shall be submitted along with the tender failing which the tender will be liable for rejection. The type test certificate of tendered item / material shall not be more than 10 years old from date of NIT. Without required type test certificate the offer shall be liable for rejection.

## **14. POOL RATE/CARTEL:**

Formation of bidder's cartel is strictly prohibited. "Cartel" includes an association of sellers, distributors, traders or service providers who by agreement amongst themselves, limit, control or attempt to control the production, distribution, sale or price of or trade in goods or provision of services, Here, "agreement" includes any arrangement or understanding or action, whether or not is formal or in writing.

Quoting same rates i.e. pool rate is not acceptable. In case the same rate is found to be quoted by more than two bidders, offers of all such bidders shall be out rightly rejected. However, if rates of two bidders are found to be same, quantity of orders to

be placed on them will be reduced to half of the quantity a bidder is entitled to be allocated by virtue of their common rank. But, in case of multi-item tender, if rates of even two bidders for more than one item are found to be same, it will be considered as deliberate cartel and offers of both the bidders shall be rejected. Accordingly, all the bidders are advised to quote their own individual and most competitive rates.

Rated received in a tender will be minutely scrutinised to find out as to whether some or all bidders have entered in to any such „agreement“. If CSPTCL is satisfied with the conclusion that some or all the bidders have formed a cartel, offers of all such bidders shall be rejected.

15. **Amendment in specifications:** CSPTCL may revise or amend the specification and drawing, prior to the date notified for opening of tender. Such revision/ amendment, if any, will be communicated to all the bidders as amendment/ addendum to the invitation of tender and the same will be displayed in CSPTCL’s website also.
16. **Telex/ telegraphic/ fax bids:** Telex/ telegraphic/ fax offers will not be considered under any circumstances.
17. **Mistakes in bids:** Rates should be quoted in both figures and words. In case of ambiguity between rates in figures and words, lower of the two shall be considered, as per provision given in clause 7 of Special Instruction to the bidder. Such offers can also be rejected.
18. **Lump sum based bids:** In case prices for some items or all items are given as lump sum, instead of unit prices as required in the tender specifications, CSPTCL can summarily reject such incomplete tender.
19. **Printed terms & conditions in bids:** Supplier’s printed terms and conditions will not be considered as forming part tender under any circumstance whatsoever.
20. **Alterations/ correction in bids:** No alternations in the tender document will be permitted.
21. **Incomplete bids:** Tender which is incomplete or obscure is liable for rejection.
22. **Ambiguities in conditions of bids:** In case of ambiguous or self contradictory terms/ conditions mentioned in the bid, interpretations as may be advantageous to the CSPTCL may be taken without any reference to the tender.
23. **Disqualification of bids:** A bid which gets opened before the due date as a result of improper or no indication has been given on the cover to indicate that it is a tender, will be disqualified. Bidders will not be permitted to change the substance of his tender on post interpretation/ improper understanding grounds. This includes post tender price changes/ modifications etc. after opening of price bid. In such events, otherwise, that is, when a bidder does not comply, tender will be rejected.
24. **Language of bids:** All tenders should be made either in English or in Hindi only.
25. **Canvassing of bids:** Tenders shall be deemed to be under consideration, after opening of tender/ bid till placement of order. During this period, the bidders or their authorised representatives or other interested parties are advised strongly in their own interest, to refrain from contacting by any means any of the CSPTCL’s personnel or representative.
26. **Cancellation of order:**
- 26.1 The company may upon written notice of default, terminate contract in the circumstances detailed here under:

- a) If in the opinion of the Company, the supplier fails to deliver the material within the time specified or during the period for which extension has been granted by the Company.
- b) If in the opinion of the Company, the supplier fails to comply with any of the other provisions of this contract or material is found not in accordance with prescribed specifications and or the approved samples.
- c) If as a result of stage inspection, it is revealed that material and / or workmanship is substandard, which is likely to affect the performance of the finished product, a notice would be served by the Company to the supplier to suspend further activities and to take urgent steps towards corrective measures, failing which the entire order would be cancelled.
- 26.2 In the event of such termination, the CSPTCL shall exercise its discretionary power as:
- (a) To recover from the supplier the agreed liquidated damages as given in the clause No. 4.3.4 above.
- Or
- (b) To purchase form elsewhere after giving due notice to the supplier on account and at the risk of the supplier such stores/ material not so delivered or others of similar description in respect of consignment not yet delivered.
- Or
- (c) To cancel the contract reserving Company right to recover damages.
- 26.3 Notwithstanding that the power under clause (25.2 a, b & c) referred to above, are in addition to the rights and remedy available to the Company under the general law of India relating to contract.
- 26.4 In the event of risk purchase of stores of similar description, the opinion of the Company shall be final. In the event of action taken under clause 25.2 (a) or (b) above, the supplier shall be liable to pay for any loss, which the Company may sustain on that account but the supplier shall not be entitled to any saving on such purchases made against the default.
- 26.5 The decision of the CSPTCL shall be final regarding the acceptability of the stores supplied by the supplier and the Company shall not be required to give any reasons in writing or otherwise at any time for the rejection of the stores/ material.
- 26.6 In the event Company does not terminate the order as provided in clause 25.1 & 25.2 above, the supplier shall continue execution of this order, in which case he shall be liable to the CSPTCL for liquidated damages for the delay as per clause 4.3.4 until supplies are accepted.

## **27. Arbitration:**

If at any time, any question, dispute or difference, whatsoever shall arise between the Purchase and the supplier, upon or in relation to or in connection with the Contract, either party may forth with give to the other, notice in writing of the existence of such question, dispute or difference and the same shall be referred to the adjudication of two arbitrators, one to be nominated by the Purchase and the other to be nominated by the supplier or in the case of said arbitrators not agreeing, then to the adjudication of the Umpire to be appointed by the arbitrators, whose decision shall be final and binding on the parties and the provisions of the Indian Arbitration Reconciliation Act 1996, and of the rules there under and any statutory modification thereof shall be deemed to apply. The arbitrators or the Umpire, as the case may be, are bound to give a detailed speaking award assigning reasons for the findings.

Supplies under the contract shall be continued by the Contractor during the arbitration proceedings, unless otherwise, directed in writing by the Purchase or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrators or of the Umpire, as the case may be is issued.

28. **Jurisdiction:** Any dispute or difference, arising under, out of or about this tender/ contract order shall be subject to exclusive jurisdiction of competent court at Raipur only.
29. **Approval of Drawing :-** The drawings of the ordered material should be submitted to this office within 10 days from the date of order for approval.
30. **Limitation of Liability :-** Except in cases of gross negligence or wilful misconduct,
- a) The contractor and CSPTCL shall not be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the contractor to pay liquidated damages to the CSPTCL
- AND**
- b) The aggregate liability of the contractor to CSPTCL, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipments, or to any obligation of the contractor to indemnify CSPTCL with respect to patent infringement.

**Executive Director (S&P)**  
**CSPTCL : Raipur**

## SECTION- II

### TECHNICAL SPECIFICATION FOR 220 KV CENTRE BREAK ISOLATORS WITH INSULATORS (SPRINGLESS TYPE)

1. **Scope:**

This specification provides for design, manufacture, stage testing, inspection and testing before dispatch, packing and delivery of **220 KV Centre break Isolators (springless type) 2000 Amp without earth switch with insulators along with installation, testing & commissioning.**

2. **Standards:**

The rating as well as performance and testing of the isolators shall conform to the latest revisions and amendments of the following standards. Equipment meeting any other authoritative standard, which ensures an equal or better quality than that standard mentioned below, will also be accepted.

Sl. No.	Standard No.	Title
1.	IS:9921(part I to V)	Alternating current isolators (disconnectors) and earthing switches
2.	IEC:129 / IEC 62271-102 / 62271-1	
3.	IS:2147	Degree of protection provided by enclosure
4.	IS:4691	Degree of protection provided by enclosure
5.	IS:2629	Recommended practice for hot dip galvanizing of iron and steel.
6.	IS:4759	Hot dip galvanization coating on structural steel
7.	IS:2633	Method of testing, weight, thickness and uniformity of coating on fasteners
8.	IS:1573	Electroplated coating of zinc on iron and steel
9.	IS:3033	Spring washers
10.	IS:2016	Plain washers

3. **Climatic Conditions:**

The breakers and accessories to be supplied against this specification shall be suitable for satisfactory continuous operation under the following tropical conditions.

(a)	Location	Outdoor
(b)	Max. ambient air temperature (°C)	50° C
(c)	Min. ambient air temperature (°C)	1° C
(d)	Average daily ambient air temperature	30° C
(e)	Max. Relative Humidity (%)	95%(sometimes approaches saturation)
(f)	Max. altitude above mean sea level (meters)	1000 mtrs
(g)	Average annual rainfall	1250 mm
(h)	Max. wind Pressure	150 kg/m <sup>2</sup>
(i)	Seismic level (Horizontal acceleration.)	0.3

Moderately hot and humid tropical climate, conducive to rust and fungus growth.

4. **Particulars of the system :-**

The isolators to be procured under this specification are intended to be used on 3 phase A.C. 50 cycles, effectively grounded system. The nominal system voltage is 220 KV.

5. **Type & rating:-**

- 5.1. a) Isolators shall have two posts per phase triple pole single throw, gang operated out-door type along with contacts of material (electrolytic copper / chromium copper) duly silver plated, suitable for springless design with horizontal operating blade and isolators posts arranged vertically. **The Isolators will be centre break type (springless type).** All three poles of the isolator shall be

mechanically ganged and operated by a common operating mechanism and closingof to ensure all three poles close simultaneously.

All isolators shall operate through 90 degree from their fully closed position to fully open position so that the break is distinct and clearly visible from the ground level.

- b) Isolators including their operating mechanism shall be so constructed that they can not come out of their open or closed position by gravity, wind pressure, vibration, reasonable shocks or accidental touching of the connecting rods or their operating mechanism. The reliability of current carrying capacity shall not be impaired due to such forces.

## 5.2 AUXILIARY POWER SUPPLY

5.2.1 Auxiliary Electrical equipment shall be suitable for operation on the following supply system Particulars.

- (i) **AC control & protective devices:** 240 V, single-phase, 2-wire, lighting & space heaters AC supply with one Lead grounded.
- (ii) **DC alarm, control and protective device:** 220 V DC supply from station batteries.
- (iii) **AC/DC Control for motor operating:** 415 V, 3-phase, 4 wire, Mechanism neutral grounded AC supply or 220V DC supply by providing diode rectifier circuit for converting AC supply to DC supply for DC motor only.

5.2.2 **In the above supply, voltage may vary as follows:-**

All devices shall be suitable for continuous operation over entire range of voltage. Stated below:-

- (i) AC supply : Voltage variation  $\pm 10\%$ .  
Frequency variation  $\pm 3\%$
- (ii) DC supply :  $-15\%$  to  $+10\%$  variation

## 5.3 Contacts:

- a) The contacts shall be self aligning and self cleaning and so designed that binding cannot occur after remaining closed for prolonged periods of time in a heavily polluted atmosphere.
- b) The isolators provided with high pressure current carrying **spring less** contacts on the hinges and jaw and all contact surfaces shall be silver plated (minimum 20 micron), electrolytic/ chromium copper. The contacts shall be accurately machined and self aligned in case of centered break isolators, the hinged ends shall be provided with flexible copper connection adequate to carry rated current and suitable for short circuit rating specified. Housing of current transfer assembly shall be integral part of arm & assembly should be tulip type.
- c) No external springs should be used to achieved required contact pressure of the main contacts.
- d) The terminal pad should rotate 360 Deg. with tulip contacts arrangement (maintenance free) in such that bus bar can be connected from any angle of entry.
- e) Minimum 20 microns silver plating on Finger and first contacts are needed to sustain maximum numbers of operation without abrasion on the contact surface.
- f) Constant contact pressure even when the live parts of the insulator stacks are subjected to tensile stresses due to linear expansion of connected bus bar of flexible conductors either because of temperature variations or strong winds.
- g) **No external device including spring/spacer is allowed to maintain contact pressure in the main contact assembly. The main contacts shall have inbuilt sufficient contact pressure for proper contact and adequate cross section/surface area to prevent loose contact and excessive heating**

**5.4 Base:**

- a) Each single pole of the center break isolator shall be provided with complete galvanized steel base with holes for mounting on a supporting structure.
- b) The open & close position of isolator shall be indicated by an indicator made of metal and placed at a suitable height so that the same is easily visible from ground level.
- c) The bearing assembly should be maintenance free for its life time of product. Double ball bearing should be used in bearing assembly. The casting of bearing housing should be designed to sustain all temperature / environmental flexibility.

**5.5 Blades:**

- a) All live metal parts shall be designed to eliminate sharp points, edges and other corona producing surfaces.
- b) The isolators shall be so constructed that the switch blade contact will not fail to the close position if the operating shaft gets disconnected.
- c) The blade shall be made up of electrical grade aluminium.

5.6 The current rating of Isolators shall be 2000 Amp rms suitable for continuous service at the system voltages specified herein. The isolators are not required to operate under load but they must be called upon to handle magnetization currents of the power transformers and capacitive currents of bushings, bus-bar connections, very short lengths of cables, & current of voltage transformers.

5.7 The current density in the Copper parts shall not be more than **1.5A/sq.mm** but may be less. The current density in the Aluminium parts shall not be more than **1.0 A/sq.mm** but may be less.

5.8 The rated insulation strength of the equipment shall not be lower than the levels specified in IS-9921. The Isolators should meet the following principal parameters:-

Sr	Technical Parameter	
1	Rated Freq.	50 HZ
2	System earthing	Effectively earthed
3	No. of phases(poles)	3
4	Safe duration of overload	
	a) 150% of rated current	5 minutes
	b) 120% of rated current	30 minutes
5	Rated voltage	245 KV RMS
6	Type of disconnect(AB)	Centre Break
7	Rated Normal current (A RMS)	2000 A
8	Rated short time withstand current for 3 secs (KA RMS) of main	50
9	Rated peak current of main switch (KA peak)	100
10	Rated short time making current (KA peak)	100
11	Standard Lightning impulse withstand positive KV peak	
	a) across isolating distance	1200
	b) To earth & between poles	1050
12	One minute Power Freq. Withstand voltage KV(rms)	
	a) across isolating distance	530
	b) To earth & between poles	460
13	Minimum creepage distance (mm)	6125
14	Rated mech. Term load	
	(i) straight load(Kg.)	102
	(ii) Across load(Kg.)	33.65



15	Rated magnetising current/ capacitive current make & break (A rms)	0.7
16	Minimum clearances	
	a) ph to earth(mm)	2150
	b) ph to ph (mm)	2350
17	Ph to ph spacing for installation	4500
18	Height of lowest live point above ground level (mm)	6500
19	PCD of insulators to be provided : Top	127 mm
	Bottom	225 mm

5.9 **The 220 KV Centre break Isolators are required with post insulators of solid core type and without mounting structures.** The isolators should be suitable for mounting on the CSPTCL's standard structure. The CSPTCL will arrange the mounting structures. However, the isolators shall be supplied with base channels along with fixing nuts, bolts and washers of GI for mounting on the structure which will be provided by the CSPTCL. The drawing of CSPTCL's structure shall be provided to successful bidder.

5.10 **Temperature rise:- (as per IS:9921)**

The maximum temperature attained by any part of the equipment when in service at site under continuous, full load conditions and exposed to the direct rays of sun shall not exceed 45 degree centigrade above ambient. The limit of temperature shall not be exceeded when corrected for the difference between ambient temperature at site and the ambient temperature specified in the approved specifications. The corrections proposed shall be stated in the tender and shall be subject to approval of the purchaser.

5.11 **Isolator insulation:**

Insulation to ground, insulation between open contacts and the insulation between phases of the completely assembled isolating switch shall be capable of withstanding the dielectric test voltage specified in clause 5.6 above.

5.12 **The complete triple pole disconnecter should comprise three single pole disconnecter units, each with a separate steel base for mounting on a steel or concrete structure.**

**Each pole should consist of two insulator support posts which rotate on bearings mounted on the base. The insulator posts of each pole shall carry pair of moving blades with male and female contacts on one end and current transfer hinge contacts at the other end, mounted on the insulator posts. Both hinge contacts shall carry suitable arrangement for line termination.**

**The support insulators of each pole should be interconnected by a steel coupling tube which is adjustable to enable contact engagement to be set accurately. The couplings connecting the three poles of the triple pole disconnecter shall be of similar construction so that all the three poles operate simultaneously.**

5.13 **Other requirements:-**

- i) In case of center break isolators, all three poles of the Isolator shall be mechanically ganged and operated by a common operating mechanism and closing of to ensure all three poles close simultaneously.
- ii) Signaling of the closed position shall not take place unless it is certain that the movable contacts have reached a position in which the rated normal current, the peak withstand current and the short time withstand current can be carried safely. Limit position switches shall be provided for this signaling.

- iii) Signaling of the open position shall not take place unless the movable contact have reached a position such that the clearance between the contacts is at least 80% of the isolating distance.
- iv) In addition to being mechanically interlocked with its main blades solenoid type electrical interlocking feature suitable for operation on purchaser's 220 V DC supply shall also be provided. The interlock shall comprise of electromechanical castle locks with the key to prevent operation of isolator closed and vice a versa. The key can be released by energizing the coil when certain preset conditions of purchaser's interlock scheme are fulfilled, hence making the interlock feature "fail safe type".
- v) The frame of each disconnecter (isolator) shall be provided with two reliable earthing terminals for connection to an earthing conductor having a clamping screw suitable for specified earth fault currents. The size of the earthing conductor will be furnished to the successful bidder.
- vi) The isolator shall be capable of making/breaking normal currents when no significant change in voltage occurs across the terminal of each pole of the isolator on account of make/break operation.
- vii) The equipment offered shall be suitable for hot line washing.

#### 5.14 **Operating mechanism for 220 KV Isolators:**

- a) The isolators shall be suitable for electrical motor operated mechanism and manual operation and the mechanism shall be easy to operate by a single person. The height of the handle above the foundation shall be such as to ensure ease of operation. The operating mechanism shall have smooth movement and shall be designed for simultaneous manual operation of all three single pole units through single operating rod of adjustable length and operating mechanism mounted on one end of switch only. Operating mechanism of main switch shall be on opposite ends. The rotating insulators stacks shall be provided with **double roller or double ball bearings** and shall be adjustable and easily accessible for dismantling in the field. Bearing housing shall be weather and dust proof. The vertical operating shaft of requisite length shall be supported on ball or roller thrust bearing. Position indicators shall be provided near the operating mechanism for open and close position. Provision shall be made for pad locking the mechanism of isolators in both the close and open positions. The isolator shall be such that its stack position will not be affected by wind pressure, vibration, reasonable shocks etc. Auxiliary switches shall be mounted in weather proof housing which shall have provision of entry of conduits of proper size and for fixing of cable glands
- b) **Operating mechanism and control :-** The operating mechanism shall provide a quick, simple and effective operation. One man shall able to operate the isolator without undue effort.
- c) The Bidder shall offer the operating mechanism as specified. The design of operating mechanism shall be such that minimum energy is required for operation. Each pole of isolator shall have individual drive for main blade and earth switch. The operating mechanism of the three poles shall be well synchronized and interconnected.
- d) The isolator shall be provided with positive continuous control throughout the entire cycle of operation. The operating pipes end rods shall be sufficiently rigid to maintain positive control under the most adverse conditions and when operated in tension or compression for isolator closing. It shall also be capable of withstanding all torsion and bending stresses due to operation of the isolator.

- e) After final adjustment has been made there should not be any displacement at any point to allow improper functioning of the isolator during opening and closing operation at any speed. All holes in cranks, linkages and drives through shafts of MOM should be provided with eye coupling to minimize slack and lost motion in the entire mechanism.
- f) All isolators shall be provided with detachable type operating handles with padlocking arrangements. All brackets, angles or other members necessary for attaching the operating mechanism to the isolator supporting structure shall be supplied.
- g) All bearings wherever provided shall be of reputed make. Bearings shall be provided with required members of nipples for lubrication. The type of bearing shall be stated.
- h) The control cabinet shall be sheet steel / aluminum enclosure and shall be dust, water and vermin proof. Sheet steel used shall be at least 2.0 mm thick and properly braced to prevent wobbling. Control cabinet shall be with double hinged doors with padlocking arrangement. Control cabinet shall be of free standing, floor mounting type or wall mounting type or pedestal mounting type as applicable.
- i) All doors, removable covers and plates shall be gasketed all round with continuous neoprene gaskets, louvers shall have screens and filters. The screen shall be of fine wire mesh made of Brass or GI wire.
- j) Cable entries shall be from bottom Suitable removable cable gland plate shall be provided on the cabinet for this purpose. Necessary number of cable glands shall be supplied fitted on to this gland plate. Cable gland shall be screw-on-type and made of Brass.
- k) Suitable heaters shall be mounted in the cabinet to prevent condensation. Heaters shall be controlled by differential thermostat so that the cubical temperature is always maintained approximately 10 °C above the out side air temperature. ON/OFF switch and fuse shall be provided. Heater shall be suitable for 240 V AC supply voltage.
- l) The terminals shall be so staggered that the connection of external cable to any terminal block should be possible without disturbing the rest of the connections. The terminals blocks arrangements shall be such as to provide maximum accessibility to all conductor terminals and any arrangement preventing ready access to other terminal. Screws shall not be accepted. Stud type terminals preferable. 20% spare terminals shall be provided in each block.
- m) The arrangement shall be such that it is possible to safely connect or disconnect terminals on live circuits and replace fuse-links when the cabinet is live.
- n) The enclosure of the control cabinets shall provide a degree of protection of not less than IP:55 (as per IS:2147).
- o) A 'local/remote' selector switch and a set of open/close push buttons shall be provided on the control cabinet of the isolator to permit its operation through local or remote push buttons.
- p) Provision shall be made in the control cabinet to disconnect power supply to prevent local/remote power operation.
- q) The control cabinet shall be provided with a 240 V, 1Phase, 50 Hz, 40 W lighting for interior illumination controlled by a ON/OFF switch. Power source for this interior lighting shall be completely independent of control power source.

**5.15 MOTOR OPERATED MECHANISM**

- a) The motor shall be squirrel cage induction motor or 220V DC motor and shall be totally enclosed, weather proof, out door type conforming to the latest edition. The DC source shall be made available by providing Diode circuit for converting AC supply to DC supply for DC motor only.
- b) Suitable reduction gear shall be provided between the motor and the drive shaft of the isolator. The mechanism shall come to standstill quickly on switching OFF the power supply to the motor.
- c) Limit switches for motor control shall be fitted on the isolator shaft, within the cabinet, to sense the open and close positions of the isolator.
- d) Motor for operating mechanism to be supplied with the isolator shall be of reputed make to assure trouble free performance of the operating mechanism. Bidder should confirm to attend the defects if any without any extra charge within the guarantee period.

**5.16 INTERLOCKING**

- a) Isolators shall be provided with padlocking facilities to lock them in full open or fully closed position.
- b) Isolator shall be interlocked such that it will not be possible to close the earthing switch when the isolator is closed and vice-versa.
- c) Each Isolator shall have the provision to electrically interlocked with its associated breakers, such that the isolators can not operated unless the associated circuit breakers is in open position.
- d) Electrical interlocking arrangement shall be fail safe type.

**6. Guaranteed data and other technical particulars: -**

Guaranteed data and other technical particulars of the isolators should be given in the form of Schedule-I. Any other particulars considered necessary by the supplier may also be given in addition to those listed in the schedule.

**7. Drawings & literatures:**

All the dimensioned drawings along with illustrated and descriptive literature for all equipment offered must be submitted along with the tender; otherwise the tender will be treated as incomplete. The following drawings shall be enclosed with the tender.

- i. The drawing showing the outline dimensions of the isolator.
- ii. Drawing showing details of main contacts.
- iii. Drawings showing arrangement of mechanical interlock.
- iv. Drawing showing the details of fixed and moving contacts and the arrangement of pressure relief.
- v. Drawing showing bearing assembly.
- vi. Drawings for terminal connectors.
- vii. Name plate to be provided.

**8. Type Tests:**

Each Isolator and earth switch shall strictly comply with the requirements of all the type tests as per IS:9921 (part-IV) and shall be subjected to all routine tests stipulated in the relevant standard. All tests shall be made prior to dispatch in the presence of the representative of the purchaser if so desired by the purchaser and the test results in quadruplicate shall be supplied to the purchaser for its approval of the test certificate by the purchaser.

Copies of the following type tests already performed on similar type of Isolators must be enclosed with the tender to judge the merits of the equipment offered by the tenderer. The type test certificate should not be older than **ten (10) years** as on the date of issue of NIT. The type test should be performed in Govt. Laboratory or NABL

accredited test laboratory. The copy of NABL accreditation certificate should also be furnished in case the laboratory is not a govt. laboratory.

- (i) Dielectric tests as per clause 3.1 of IS:9921 (part IV) including lightning impulse test, power frequency voltage withstand test.
- (ii) Temperature rise test as per clause 3.2 of IS:9921 (part-IV).
- (iii) Short time withstand current & peak withstand current as per item 3.3 IS:9921 (part-IV).
- (iv) Operating & mechanical endurance test as per clause 3.5 IS:9921 (part-IV).

**The Isolators should be so manufactured to work under abnormal service condition such as Earth tremors and capable of sustaining mechanical vibration and should not get opened.**

9 **Routine Tests:**

The following routine tests as per IS:9921 (part IV) shall be conducted during the inspection of the Isolators in presence of CSPTCL's nominated officer.

- (a) Power frequency voltage (dry) tests of the main circuit.
- (b) Voltage tests on control & auxiliary circuits as per clause 3.1.11 of IS:9921 (part IV)
- (c) Measurement of resistance of the main circuit as per clause 4.3 of IS:9921 (part IV).
- (d) Mechanical operating tests as per clause 4.4 of IS:9921 (part IV)

The Isolators shall be accepted only if the test result are found to be within the limits prescribed as per IS:9921 (part IV).

10. **Name plate:**

Each Isolator shall be provided with Nameplate of 4" x 4" fitted on the base channel. The following shall be indicated on the plate:-

Name of manufacturer	:
Order No. & date	:
Name of purchaser	: C.S. Power Transmission Co. Ltd. (CSPTCL)
Rating	:
Sl.No.	:

11. **Indicative drawings of important components:**

The following drawings are annexed here with for reference and understanding of the bidders.

- (i) Drawing for arrangement of tandem pipes.
- (ii) Base channel of Isolators.
- (iii) Fixing arrangement of tandem pipe
- (iv) Fixing arrangement of moving rod.
- (v) Arrangement of fixed contacts.

12. **CONNECTORS :-**

The connectors for isolators shall be suitable for Zebra ACSR conductor with horizontal and vertical take off arrangement. The details in regard to dimensions, the number of bolts to be provided, material and manufacture shall be furnished in the tender. The groove provided in the connector should be able to accommodate conductor size mentioned above smoothly.

The design of clamp shall be subject to our approval. **The clamps to be offered should be manufactured by gravity die-casting method only and not by sand casting process.**

It is necessary that suitable clamps are offered alongwith the isolator and also it is obligatory to give complete technical particulars of clamps alongwith the drawing, as per details given above and also as per following details:-

- a) The terminal connector shall be manufactured and tested as per IS-5561.
- b) All castings shall; be free from blow holes, surface blisters, cracks and cavities.

- c) All the sharp edges shall be blurred and rounded off.
- d) No part of the clamp shall be less than **12 mm thick**.
- e) All current carrying parts shall be designed and manufactured to have minimum contact resistance.
- f) Connectors shall be designed to be corona free in accordance with the requirement of IS-5561.
- g) All nuts and bolts shall; be made of galvanised steel only.
- h) Bimetallic sleeve/liner shall be **2 mm thick**.  
Wherever necessary bimetallic strip of standard quality and adequate dimension shall be used.

### 13. Principal parameters for Solidcore insulators:

The principal parameters for the solidcore insulators shall be as given below:

Voltage Class	<b>220KV</b>
a) Visible discharge test KV(RMS)	156
b) Dry one minute power frequency withstand test KV(RMS)	460
c) Wet one minute power frequency withstand test KV(RMS)	460
d) Power frequency puncture withstand test on units	1.3 times the actual dry flashover voltage
e) Impulse voltage withstand test KV(Peak)	1050
f) Ultimate Torsional strength (KNM)	4
g) Ultimate bending strength (KN)	8
h) Ultimate cantilever strength	160KN
i) Height of the insulator(MM)	2300
j) Creepage distance	6125 mm
k) Top/ Bottom P.C.D.	127 / 225

The solidcore insulators to be supplied with isolators should be of any make approved by CSPTCL in the vendor list uploaded in CSPTCL's website as on date of issue of NIT. **The vendor list is displayed in CSPTCL's website [www.cspc.co.in /http://www.cspc.co.in/cspc/Vendor/Vendorlistindex.htm](http://www.cspc.co.in/cspc/Vendor/Vendorlistindex.htm).** The CSPTCL's approved makes are as under:-

- (i) M/s WS Insulators, Chennai,
- (ii) M/s BHEL,
- (iii) M/s Aditya/NGL Birla, Kolkata,
- (iv) M/s Modern Insulators
- (v) M/s Insulators & Electricals, Bhopal
- (vi) M/s Sarvana Global Energy Ltd.

Further, alongwith the drawing of isolators copy of type test certificate of 220 KV solidcore insulators conducted **within 10 years** from date of issue of NIT should also be furnished. The type test of 220 KV solidcore insulators should be carried out at and issued by Govt. standard test laboratory/ NABL accredited laboratory.

**SCHEDULE-I (A)**  
**SCHEDULE OF PRICE AND QUANTITY**

S.No	Particulars	Qty. (in sets)	Unit Ex- works price including packing & forwarding in Rs./nos	Unit Freight charges in Rs/Nos	GST on (Ex-works Price + Freight charges) @ -----%	Unit F.O.R. destn. price including GST, freight and other taxes (4+5+6) in Rs/Nos	Total Amount (in Rs)
1	2	3	4	5	6	7	8
1	<b>220 KV Isolator, 2000 Amp spring less Centre break , without earth switch with insulators ,short circuit current 50 KA for 3 sec (under PSDF scheme) with Installtion,Testing &amp; Commissioning.</b>	<b>43</b>					
	<b>TOTAL</b>						

**Note:**

1. The prices offered should be variable as per **IEEMA** with base indices as per the IEEMA circular prevailing as on first day of the month **one month prior** to the due date opening of tender.
2. Only statutory variation due to Govt regulations in GST during Contractual delivery period shall be paid by CSPTCL
2. **The rates will be quoted through online e bidding portal ( SAP SRM system) only. Price schedule duly filled in hard copy is not required.**

**Signature & Seal of Bidder**

**SCHEDULE-I (B)**  
**SCHEDULE OF PRICE AND QUANTITY**  
**PRICES FOR ERECTION, TESTING & COMMISSIONING**

Sl. No.	Description	Qty (in sets)	Unit price (in Rs)	GST @ ---% on Unit Price	Total unit price (in Rs)	Total amount In Rs.
		a	b	c= (b*GST %)	d=(b+c)	e=(a*d)
1	Erection, testing & commissioning charges of <b>Centre break Springless Isolator</b> including all all other accessories etc.	43				

**NOTE:**

- (i) The rate should be offered on **FIRM basis** exclusive of applicable GST.
- (ii) The applicable rate of GST is to be indicated by the bidder. Price bid shall be processed/ evaluated with applicable GST at the time of opening of Techno Commercial bid.
- (iii) GST shall be paid extra at the rates applicable during contractual period of Commissioning. In case commissioning is delayed by the supplier and GST goes upward revision, GST applicable during contractual completion period shall only be payable.
- (iv) Manpower and tools & plants for erection, testing & commissioning of isolator shall be provided by the bidder.
- (v) 1 job means completed erection, testing & commissioning of 1 set isolator to the full satisfaction of CSPTCL.

**Name and seal of the  
tendering Company**



**SCHEDULE- II**  
**GUARANTEED TECHNICAL PARTICULARS FOR**  
**220 KV CENTRE BREAK ISOLATORS (Springless Type)**

Sl.	PARTICULARS	220 KV Centre break isolators (springless type) without earthswitch , 2000 Amp current rating with insulators
1	No. of Phases (Poles)	
2	Safe Duration of overload	
	a) 150% of rated current	
	b) 120% of rated current	
3	Rated voltage (kV rms.)	
4	Type of disconnect (AB)	
5	Rated normal current Amp. RMS.)	
6	Rated short times withstand Current (kA RMS.) For 3 sec. Duration	
7	Rated dynamic withstand Current (kA)	
8	Rated short circuit making Current of EB (kA peak)	
9	Basic insulation level:	
i)	1.2/50 micro second Lightning impulse withstand Voltage (+ve or -ve polarity)	
	a) To earth (kVp)	
	b) Across isolating distance	
	c) One terminal subjected to lightning impulse (kVp) and opposite terminal subjected to power frequency (KV RMS) voltage (as per IS)	
ii)	250/2500 micro seconds Switching impulse withstand Voltage (+ve or -ve polarity)	
a)	To earth (kVp)	
b)	Across isolating Distance	
	c) One terminal subjected to impulse KVp) and opposite terminal subjected to power frequency (kV RMS.) voltage	
iii)	Rated 1 minute power frequency withstand voltage (kV rms.)	
10	Rated Mech Terminal Load, kg	
	a) Straight load	
	b) Across load	

11	Rated magnetising/capacitive current make and break (Amp.rms)	
12	Rated contact zone for PG Isolator when fixed contacts are supported on flexible conductor(Metres)	
a)	a) Horizontal deflection	
b)	b) Vertical deflection	
	c) Total amplitude of longitudinal movement with respect to conductor supporting fixed contact	
13	Phase to Phase spacing for installation (mm)	
14	Minimum clearances in MM in air:	
	a) Between poles	
	b) Between live parts & earth	
	c) Between live parts when switch is open	
	i) on the same pole	
	ii) between adjacent poles	
15	R.I.V. at 1 MHz and at 1.1 % rated phase to earth voltage (MICRO V)	
16	Min. corona extinction voltage (kV RMS)	
17	Rating of auxiliary contacts	
18	Seismic acceleration	
19	Operating time (secs.)	
20	Current density at the minimum cross section of	
a)	a) moving blade	
b)	b) terminal pad	
c)	c) contacts	
21	Max. Temp rise of current carrying parts when carrying rated current continuously	
22	Design & construction	
a)	a) No of insulators per pole	
b)	b) No of breaks per pole	
c)	c) Type of closing/opening mechanism (Turn & twist, straight etc)	
23	Contacts	
	i) Material & grade	
	ii) cross section area(sq mm)	
	iii) no of operations isolator can make without deterioration of contacts.	
24	Moving blades	
	i) Material & grade	
	ii) Cross section(sq mm)	
25	Contact support	
	i) Material & size of channel/block	

	ii) Material & size of plate	
26	Turn & twist arrangement	
	i) Material & size of clamps	
	ii) Material & size of spring	
	iii) Whether springs are encased	
	iv) Size, material & grade in live parts	
	v) Size, material & grade in other parts	
27	Insulation base plate	
	i) Material & size of elevator plate below fixed insulators	
	ii) Material & size of studs & bolts	
	iii) Material & size of rotating insulator base plate	
28	Bearings	
	i) material & size of housing	
	ii) no of bearings, loc & size	
	iii) no of bushes, joints loc & size	
29	Tandem pipe	
	i) size, class & no of pipes	
	ii) size of shackle & screw	
	iii) no of clamps, material & size	
30	Down pipe size & class	
31	Operating mechanism control cabinet material & thickness no of cable glands & size No of auxiliary switches Terminal blocks	
32	Make & rating of 3 ph induction motor for operating the Isolators	
33	<b>Insulators</b>	
a	Type of insulators	
b	No. of units per stack	
c	Standard to which it conforms	
d	Nominal voltage (in KV )	
e	Highest system voltage (in KV )	
f	Impulse withstand voltage in KV	
	i) Positive	
	ii) Negative	
g	One minute power frequency withstand voltage (in KV )	
	i) Wet	
	ii) Dry	
h	Visible discharge test(KV)	
i	Creepage distance (in mm)	
	i) Total	
	ii) Protected	
j	Puncture voltage ( kv )	
k	Ultimate bending strength ( in KN )	

l	Ultimate torsional strength(in KNM)	
m	Ultimate compression strength ( in KN)	
n	Tensile Strength (in KN)	
o	Height of the insulator ( in mm )	
	i) Each insulator unit	
	ii) Total height of stack	
p	Approximate weight of complete unit (in Kg)	
	i) Each insulator unit	
	ii) Complete stack	
q	Diameter of largest shed (in mm )	
r	Metal fitting pitch circle diameter (in mm )	
	i)Top flange	
	ii) Bottom flange	
s	No. of holes & diameter of hole	
34	Total weight/phase of isolator with insulator without/ with Earth switch	
35	Details of connectors to be provided with Isolators	

**Signature**

**Name & seal of the tendering Company**

**SCHEDULE – III****SCHEDULE OF BIDDER'S EXPERIENCE**

Bidders shall furnish here a list of similar jobs executed by him. A reference may be made by the purchase to them in order be considers such a reference necessary.

S.No.	Name & Description of work. (adequate details to be given certifying the work done)	Order No. & date	Period & date of supply	Client or order placing authority	Person to whom reference to be made

**Signature of Bidder**

**Name :**

**Company :**

**SCHEDULE- IV****Name of the manufacturer, place of manufacture, testing and inspection**

S.No.	Description	Manufacturer	Place of manufacture	Date of testing and inspection

**Signature of Bidder****Name :****Company :**

**SCHEDULE-V**  
**COMMERCIAL INFORMATION**

**Strike-off, whichever is not applicable**

1.i)	Whether purchased from this office or downloaded?	Yes/No
ii)	If down loaded, whether tender cost is furnished? Details of MICR DD for tender cost	Yes/No
iii)	Amount of EMD	Rs.
iv)	Earnest Money details & GST Number & registration certificate	Bank draft/ Banker's cheque/ Cash with Manager (RAO :HQ), CSPTCL, Raipur. <b>GST Number &amp; Registration certificate Enclosed</b>
v)	If exempted, state whether bidder is	SSI Unit of CG/ Small scale unit registered with NSIC/ Fully owned State Central Govt. Unit.
vi)	Reference of documentary evidence regarding exemption enclosed	Yes/ No
2.	Whether the offer is valid for 180 days from the date of opening of commercial/technical bid	Yes/ No (If no, state validity period)
3.(A)	State whether the quoted prices are variable as per IEEMA PV formula as per Annexure-I with base indices issued by IEEMA one month prior to due date of opening	Yes /No
(B)	Whether agreeable to clause 4.3.1 (iii) page 17 i.e. The bidder shall submit price adjustment invoices for supplies positively within three months from date of supply whether positive or negative. <b>However, price variation bills submitted after 6 months from the date of supply will not be entertained, but negative variation will be recoverable.</b> The invoices should be supported with calculation of price variation along with documentary evidence of applicable indices. If price adjustment works out to be positive, the same is payable to bidder by CSPTCL and if it works out to be negative, the same shall be recovered from the bidder.	Yes /No
4.	Rate of GST(goods and service tax)	
5.	PAYMENT TERMS:- Whether CSPTCL's terms of payment is acceptable to the bidder .	Yes/ No
6.	DELIVERY PERIOD:- Whether CSPTCL's terms of Delivery is acceptable	Yes/ No

	to the bidder.	
7.	LIQUIDATED DAMAGE CLAUSE Whether agreeable to CSPTCL's liquidated clause	Yes/ No
8.	GUARANTEE PERIOD :- Whether agreed to CSPTCL's guarantee period of 30 months from supply or 24 months from date of commissioning whichever is earlier.	Yes/ No
9.	SECURITY DEPOSIT Whether agreeable to furnish CSPTCL's Standard security deposit @ 10% of value of order for satisfactory execution of the order and to cover guarantee period. ( If not, indicate deviation specifically)	Yes/ No
10.	EXTENSION ORDER:- Whether you are agreeable to accept extension order for 50% of qty. on the same rates, terms & condition if any extension order is placed within 6 months from the date of placement of detailed order.	Yes/ No
11.	Please mention whether rates offered are applicable for part quantities.	Yes/ No
12.	Mention Turn over of the firm for last three years (Enclose balance sheets in support)	
(a)	2015-16	
(b)	2016-17	
(c)	2017-18	
(d)	2018-19	
(e)	2019-20	
13.	C.A. audited self attested copy of net worth for the last three financial years submitted.	Yes/No
14.	Year of start of manufacture of offered equipment/ material.	
15.	Please Confirm whether you have a valid ISI certificate for the offered material. Also quote reference No. & date up to which the certificate is valid.	
16.	Whether submitted following original certificate certified by CA stating that a) All interest payment obligations on outstanding debentures have been discharged and no such payment as on <b>30.06.2021</b> is/was outstanding / overdue. b) The Company is presently not in default in payment of any bank loan/interest for more than three months or any loan account of the bidder has not been classified as NPA (Non Performing Asset)	Yes/ No



	by the creditor/lending bank as on date of issue of NIT.	
17.	Whether submitted Pre – contract Integrity pact	Yes/ No

NOTE:-Scanned copy of this schedule is to be uploaded in e-bidding portal.

**Place:-**

**SIGNATURE OF BIDDER:**

**NAME IN FULL:**

**Date:-**

**DESIGNATION/STATUS IN THE FIRM :**

**COMPANY SEAL:**

**SCHEDULE-VI-A****SCHEDULE OF COMMERCIAL DEVIATIONS**

We / I have carefully gone through the Commercial requirement of the specification and the General condition of contract and we / I have satisfied ourselves/myself and hereby conforms to the requirement of technical specification and General Conditions of contract except for the deviations, which are given below:-

Sl. No.	Description & Clause No. of the specification & page No.	Stipulation in specification	Deviation offered	Remarks regarding justification of the deviation

NOTE:-Scanned copy of this schedule is to be uploaded in e-bidding portal.

Dated

**Name and seal of the tendering  
Company.**

Place

**SCHEDULE-VI-B****SCHEDULE OF TECHNICAL DEVIATIONS**

We / I have carefully gone through the Technical specification and the General condition of contract and we / I have satisfied ourselves / myself and hereby conform to the requirement of technical specification and General Conditions of contract except for the deviations, which are given below:-

Sl. No.	Description & Clause No. of the specification & page No.	Stipulation in specification	Deviation offered	Remarks regarding justification of the deviation

**NOTE:-Scanned copy of this schedule is to be uploaded in e-bidding portal.**

**Dated**

**Name and seal of the tendering Company**

**SCHEDULE-VII****GENERAL INFORMATIONS**

The bidders shall furnish general information in the following format:-

1. Name of the Firm
2. Head Office address
3. Works address
4. Contact Person
5. Mobile No. of contact person
6. Telephone No. Office
7. Telephone No. Residence
8. Fax No.
9. E-mail:-
10. PF / ESIC Registration No.

Dated

**Name and seal of the tendering  
Company.**

Place

**SCHEDULE-VIII****DETAILS OF DRAWINGS SUBMITTED WITH THE TENDER**

Bidders shall mention details of drawings which have been submitted along with the Tender in the following table.

<b>S. No.</b>	<b>Drawing No.</b>	<b>Particulars of Drawing</b>
1.		
2.		
3.		
4.		
5.		
6.		

Date

Name &amp; seal of the tendering company

\*\*\*\*\*



**SCHEDULE-X****ANNUAL TURNOVER**

<b>Annual Turnover Data</b>	
<b>Year</b>	<b>Amount in Rs.</b>
2015-2016	
2016-2017	
2017-2018	
2018-2019	
2019-2020	
<b>Total Turnover</b>	

The information supplied should be the Annual Turnover of the Bidder for each year for contracts in progress or completed.

**Date:**

**Signature :**

**Name :**

**Status :**

**Seal of the Tendering Co.:**

**SCHEDULE-XI****PROFORMA FOR BANK GUARANTEE TOWARDS SECURITY DEPOSIT**

(To be executed on non-judicial stamp paper of Rs. 250/- and Revenue stamp may be affixed on Bank Guarantee)

Bank Guarantee No..... Dtd.....

In consideration of the Chhattisgarh State Power Transmission Company Limited, Raipur (A successor company of Chhattisgarh State Electricity Board, Raipur hereinafter referred to as 'CSPTCL') having agreed to accept this Bank Guarantee in lieu of cash deposit by way of Security for due and faithful performance required from M/s. \_\_\_\_\_ (herein after referred to as "Contractors", the Bank of \_\_\_\_\_ hereby agrees unequivocally and unconditionally to pay within 48 hours on demand in writing from the Chhattisgarh State Power Transmission Company Limited or any officer authorized by it in this behalf of any amount upto and not exceeding Rs.....(in words) only to the said Chhattisgarh State Power Transmission Company Limited on behalf of the aforesaid M/s \_\_\_\_\_ who have tendered and contracted for the supply of materials, equipments or services to the said the Chhattisgarh State Power Transmission Company Ltd, against order No..... dtd..... for the order value of Rs.....

The beneficiary of this Bank Guarantee shall be Chhattisgarh State Power Transmission Company Limited, Raipur (A Successor company of CSEB Raipur). The proceeds / encashment of this Bank Guarantee would go in the name of Chhattisgarh State Power Transmission Company Limited, Raipur (A Successor company of CSEB Raipur).

This agreement should be valid and binding on this bank upto and including \_\_\_\_\_ of for such further period as may hereunder be mutually fixed from time to time in writing by the Chhattisgarh State Power Transmission Company Ltd. and the contractor and shall not be terminable by notice or any change in the constitution of the aforesaid bank or the firm of Contractors or by any others reasons whatsoever and the Banker's liability hereunder shall not be impaired or discharged by any extension of time or variations or alteration made, given conceded or agreed to with or without the Bank knowledge or consent by or between the Chhattisgarh State Power Transmission Company Ltd. and contractor in the existing and / or further tenders and / or contracts.

It is agreed by the Bank with the CSPTCL that if for any reason a dispute arises concerning the Bank's liability to pay the requisite amount to the CSPTCL under the terms of this guarantee the competent court at Raipur alone shall have the jurisdiction to determine the said dispute and that this shall be without prejudice to the liability of the Bank under the terms of this guarantee being unequivocal and unconditional as mentioned above.

The liability under this guarantee is restricted to Rs..... (In words) only. This guarantee shall remain in force until ..... Unless a demand to enforce a claim under the guarantee is made under this Bank Guarantee by the CSPTCL to the Bank within six months from that date the rights of the Chhattisgarh State Power Transmission Company Ltd under this guarantee shall be forfeited and Bank shall be relieved and discharged from all liabilities there under.

WITNESSES: -

SIGNATURES

Authorized Signatories of Bank

1. .... Signed. \_\_\_\_\_
2. .... for \_\_\_\_\_ Bank



**SCHEDULE-XII****TECHNICAL INFORMATION****Strike-off, whichever is not applicable****(ii) Separate sheet should be used, wherever necessary.**

1	Whether material offered is exactly as per the technical specification	Yes/No
2	Whether the copies of orders received during last 5 years from other State Electricity Board/NTPC & other organization for similar materials enclosed	Yes/No, give details
3	Whether performance certificate from such organization regarding supplies enclosed	Yes/No, give details
4	Whether pamphlets/technical details literatures alongwith drawing etc. Furnished with the offer	Yes/no, give details
5	Whether the bidder agrees to furnish materials test certificates in respect of chemical composition and physical properties from Govt./Govt. Approved Lab. With each batch of supplies	Yes/No
6	Whether the bidder has furnished details of manufacturing equipments and short history of plant	Yes/No, give details
7	Whether details of manufacturing process furnished with offer	Yes/No, give details
8 (a)	Whether all testing facilities are available, if so, give details and in case of non-availability of facilities indicate approved lab. Available in surrounding areas where tests are proposed to be conducted	Yes/No, give details
(b)	Whether you agree for inspection by CSPTCL's representative prior to dispatch and bear the testing charges for all tests as per relevant standards	Yes/no
9	Mention in brief the type test reports enclosed name of test, agency at which testing done, date of testing.	
10	GA drawing furnished with the offer	Yes/no
11	Confirm that non of the inbuilt feature of numerical relay has been disabled.	

Date  
PlaceSIGNATURE OF BIDDER  
NAME  
DESIGNATION  
(SEAL)

**SCHEDULE-XIII  
CHECK LIST**

<b>S.No</b>	<b>ITEMS</b>	<b>REFERENCE</b>	<b>Whether submitted / not submitted</b>
1	Earnest money enclosed	Covering letter (As per clause 4.1 )	Yes/No
2	GTP	Schedule-II	Yes/No
3	Bidders experience	Schedule-III	Yes/No
4	Manufacturing details	Schedule-IV	Yes/No
5	Commercial Information	Schedule-V	Yes/No
6	Commercial Deviation	Schedule-VI-A	Yes/No
7	Technical Deviation	Schedule-VI-B	Yes/No
8	Details of type test	Schedule- IX	Yes/No
9	CA certified Annual turnover	Schedule-X	Yes/No
10	Bank guarantee Performa for Security Deposit	Schedule-XI	Yes/No
11	General Information	Schedule-VII	Yes/No
12	Technical information	Schedule-XII	Yes/No
13	Pre-contract integrity pact	Annexure-I	Yes/No
14	NSIC/DIC/ Factory registration certificate	As per PQR 5 (A)	Yes/No
15	Valid MSME registration /BIS license	NA	NA
16	For 5 years experience in supply –Copy of purchase order along with relevant MRC/Performance	As per PQR 5 (A)	Yes/No
17	For 1 year satisfactory performance – Copy of performance certificate	As per PQR 5 (A)	Yes/No
18	Type test certificate not older than 10 years	As per PQR 5 (A)	Yes/No
19	Financial data for previous 5 years	As per PQR 5 (B)	Yes/No
20	CA certified Net worth certificate	As per PQR 5 (B)	Yes/No
21	Declarations	As per PQR 5 (C)	Yes/No
22	Power of Attorney	As per clause 6 Section-I	Yes/No
23	Quality Assurance Plan	As per clause 11 General Terms &conditions	Yes/No
<i>To avoid rejection, please read tender document carefully and refer tender document for submission of any Further document/schedule/ annexure which is not covered in point 01 to 23</i>			

**“EXTREMELY IMPORTANT (Bidders to note this to avoid rejection)**

- i) Attention of bidders is drawn to the fact that no additional /new documents will be allowed to be submitted after bid submission with only exception that clarifications/ confirmations on the points which lack clarity after techno-commercial evaluation may be obtained. Bidders are therefore, requested to exercise utmost care to make sure that all the documents required as per eligibility criteria/PQR/techno-commercial requirements of the tender are submitted with their bid on or before the date of bid submission. The bid submission of all the documents required as per tender conditions/requirements and the bidder must adhere to the deadline.
- ii) It may also be noted that if a bidder has quoted ‘NIL’ deviation in the bid, this will have an overriding effect on any other conditions noted as deviations elsewhere in the bid and no correspondence will be made to withdraw such specific contradictory conditions.

**Signature & Seal of the Bidder**

**ANNEXURE- I****PRE-CONTRACT INTEGRITY PACT****1. GENERAL**

- 1.1 This pre-bid contract Agreement (hereinafter called the Integrity Pact) is made on.....day of the month .....20..., between the CSPTCL acting through Shri.....CE (S&P) (hereinafter called the "BUYER", which expression shall mean and include, unless the context otherwise requires, his successors in the office and assigns) and the First Party, proposes to procure (name of the Stores/Equipment/Work/Service) and M/s. .... represented by Shri.....Chief Executive Officer (hereinafter called the "BIDDER/Seller", which expression shall mean and include, unless the context otherwise requires, his successors on permitted assigns) and the Second Party, is willing to offer/has offered.
- 1.2 WHEREAS the BIDDER is a Private Company/Public Company/ Government undertaking/Partnership/Registered Export Agency, constituted in accordance with the relevant law in the matter and the BUYER is a power company an undertaking of Govt. of CG, performing its function on behalf of the Government of Chhattisgarh.

**2. OBJECTIVES**

- 2.1 NOW, THEREFORE, the BUYER and the BIDDER agree to enter into this pre-contract agreement, hereinafter referred to as Integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the Contract to be entered into with a view to:-
- 2.2 Enabling the BUYER to obtain the desired Stores/Equipment/Work/Service at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and
- 2.3 Enabling BIDDERS to abstain from bribing or indulging in any corrupt practices in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing any corrupt practices and the BUYER will commit to prevent corruption, in any form, by its official by following transparent procedures.

**3. COMMITMENTS OF THE BUYER**

The BUYER commits itself to the following:-

- 3.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting of implementation process related to contract.
- 3.2 The BUYER will, during the pre-contract stage, treat BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to the other BIDDERS.

- 3.3 All the officials of the BUYER will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with the full and verifiable facts and the same prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

#### **4. COMMITMENTS OF BIDDERS**

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

- 4.1. The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 4.2. The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage, or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the CSPTCL for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the CSPTCL.
- 4.3. The BIDDER further confirms and declares to the BUYER that the BIDDER in the original Manufacture/Integrator/Authorized government sponsored export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 4.4. The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payment he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 4.5. The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

- 4.6. The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 4.7. The BIDDER shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 4.8. The BIDDER commits to refrain from giving any compliant directly or through any other manner without supporting it with full and verifiable facts.
- 4.9. The BIDDER shall not instigate or cause to instigate any third person to commit any of the acts mentioned above.

**5. PREVIOUS TRANSGRESSION**

- 5.1. The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.
- 5.2. If the BIDDER makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

**6. EARNEST MONEY (SECURITY DEPOSIT)**

- 6.1. Every BIDDER while submitting commercial bid, shall deposit an amount as specified in RFP as Earnest Money/Security Deposit, with the BUYER through any of the following instruments:
  - (i) Bank Draft or Pay Order in favour of.....
  - (ii) A confirmed guarantee by an Indian Nationalised Bank, promising payment of the guarantee sum to the ..... (BUYER).....on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment.
  - (iii) Any other mode or through any other instrument (to be specified in the RFP).
- 6.2. The Security Deposit shall be valid up to complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and BUYER, including warranty period, whichever is later.
- 6.3. In the case of successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 6.4. No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

**7. SANCTIONS FOR VIOLATIONS**

7.1. Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required:-

- (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- (ii) To forfeit fully or partially the Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed), as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- (iv) To recover all sum already paid by the BUYER, and in case of the Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate while in case of a BIDDER from a country other than India with Interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- (vi) To cancel all or any other contracts with the BIDDER and the BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding processes of the CSPTCL for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sum paid in violation of this Pact by BIDDER(s) to any middlemen or agent or broken with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) If the BIDDER or any employee of the BIDDER or any person action on behalf of the BIDDER, either directly or indirectly, is closely related to any of the officers of the BUYER, or alternatively, if any close relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filling of tender. Any failure to disclose the interest involved shall entitle the BUYER to rescind the contract without payment of any compensation to the BIDDER.

The term 'close relative' for this purpose would mean spouse whether residing with the Government servant or not, but not include a spouse separated from the Government servant by a decree or order of a competent court; son or daughter or step son or step daughter and wholly dependent upon Government servant, but does not include a child or step child who is no longer in any way dependent

upon the Government servant or of whose custody the Government servant has been deprived of by or under any law; any other person related, whether by blood or marriage, to the Government servant or to the Government servant's wife or husband and wholly dependant upon Government servant.

- (xi) The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER, and if he does so, the BUYER shall be entitled forthwith to rescind the contract and all other contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

- 7.2. The decision of the BUYER to the effect that a breach of the provisions of this pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Monitor(s) appointed for the purpose of this Pact.

#### **8. INDEPENDENT MONITORS**

- 8.1. The BUYER will appoint Independent Monitors (hereinafter referred to as Monitors) for this Pact.
- 8.2. The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 8.3. The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 8.4. Both the parties accept that the Monitors have the right to access all the documents relating to the project/ procurement, including minutes of meetings. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.
- 8.5. As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.
- 8.6. The Monitor will submit a written report to the designated authority of BUYER/Secretary in the department/within 8 to 10 weeks from the date of reference or intimation to him by the BUYER /BIDDER and, should the occasion arise, submit proposal for correcting problematic situations.

#### **9. FACILITATION OF INVESTIGATION**

In case of any allegation of violation of any provision of this fact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the books of Account of the BIDDER and the BIDDER shall provide necessary information of the relevant documents and shall extend all possible help for the purpose of such examination.

#### **10. LAW AND PLACE OF JURISDICTION**

This pact is subject to Indian Law, the place of performance and jurisdiction shall be the seat of the BUYER.

#### **11. OTHER LEGAL ACTIONS**

The actions stipulated in this integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of any other law in force relating to any civil or criminal proceeding.

**12. VALIDITY**

12.1 The validity of this integrity Pact shall be from the date of its signing and extend up to 2 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

12.2. If one or several provision of this pact turn out to be invalid; the reminder of this pact shall remain valid. In such case, the parties will strive to come to an agreement to their original intention.

13. The parties hereby sign this integrity Pact at .....On.....

BUYER  
Name of Officer  
Destination Department/PSU

BIDDER  
CHIEF EXECUTIVE OFFICER

Witness

Witness

1).....  
.....

2).....  
.....



**Annexure – II : IEEMA formula**

501 kakad chambers  
132 dr. a. b. road, worli,  
mumbai 400 018  
india

p +91 22 2493 0532  
f +91 22 2493 2705  
e [mumbai@ieema.org](mailto:mumbai@ieema.org)  
w [www.ieema.org](http://www.ieema.org)

Cir. No.: 188/DIV/SWGR/05

July 03, 2009

To all members of Switchgear division  
SEBs, DISCOMs and other listed purchasing organizations

Sub: Price variation clause for HT Switchgear (Above 36 KV) effective from 1<sup>st</sup> June 2007

IEEMA had circulated price variation clause for HT Switchgear (Above 36 KV) effective from 1<sup>st</sup> June 2007 vide Cir. No. 184/DIV/SWGR/05 dated July 05, 2007.

One of the users have pointed out the anomaly in the example given for taking appropriate prices and indices at the time of date of delivery where prices and indices given in the example were not matching with the desired lag period mentioned above for each prices and indices.

We have now therefore corrected the month references in the example for the date of delivery and enclose the revised page No. 2

We request users to replace the page 2 of the PV clause available in you records with the enclosed page and remove the old page from all your records.

We sincerely regret for the inconvenience may have caused to you in this regard.

  
Executive Officer

Encl: Revised page no. 2 of IEEMA PV clause for HT Switchgear PV clause (Above 36 KV)

Nr/c:/mydoc/swgr-pvc-letters-Apr07.doc

delhi  
804, surya kiran,  
19, kasturba gandhi marg,  
new delhi 110001, india  
p +91 11 2373 3013 / 14  
f +91 11 2373 3015  
e [delhi@ieema.org](mailto:delhi@ieema.org)

bangalore  
204, swiss complex,  
33, race course road,  
bangalore 560 001, india  
p +91 80 2220 1316 / 1318  
f +91 80 2220 1317  
e [bangalore@ieema.org](mailto:bangalore@ieema.org)

kolkata  
503a, oswal chambers,  
2, church lane,  
kolkata 700 001, india  
p +91 33 6510 7855  
f +91 33 2213 1326  
e [kolkata@ieema.org](mailto:kolkata@ieema.org)

indian electrical & electronics manufacturers' association



501 kakad chambers p +91 22 2493 0532  
 132 dr. a. b. road, worli, f +91 22 2493 2705  
 mumbai 400 018 e mumbai@ieema.org  
 india w www.ieema.org

IEEMA/PVC/HT-SWGR (ABOVE 36KV)/2007

Effective from: 1<sup>st</sup> June 2007

### PRICE VARIATION CLAUSE FOR HT SWITCHGEAR AND CONTROLGEAR (ABOVE 36KV)

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 and index numbers, the price payable shall be subject to adjustment, up or down in accordance with the following formula.

The price variation clause is split up into two parts. Part-I is for indigenous content of the switchgear and Part-II is for the import content of the switchgear.

#### Part-I: Part variation clause for indigenous content of the switchgear (above 36KV)

$$P = \frac{P_0}{100} \left( 19 + 17 \frac{IS}{IS_0} + 17 \frac{C}{C_0} + 13 \frac{AL}{AL_0} + 19 \frac{IN}{IN_0} + 15 \frac{W}{W_0} \right) - P_0$$

Wherein,

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

P<sub>0</sub> = Price quoted/confirmed.

IS<sub>0</sub> = Wholesale price index number for 'Iron & Steel (Base: 1993-94=100)' (refer notes)

This index number is as applicable for the week ending 1<sup>st</sup> Saturday of the month, three months prior to the date of tendering.

C<sub>0</sub> = Average LME settlement price of copper wire bars (refer notes)

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

AL<sub>0</sub> = Price of Busbar grade Aluminium (refer notes)

This price is as applicable on the 1<sup>st</sup> working day of the month, one month prior to the date of tendering.

IN<sub>0</sub> = IEEMA Index for Insulator (Base: January 2003=100) (refer notes)

This index number is as applicable on the 1<sup>st</sup> working day of the month, one month prior to the date of tendering.

W<sub>0</sub> = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 2001 = 100)

This index number is as applicable on the first working day of the month, four months prior to the date of tendering.

For example, if date of tendering falls in May 2006, the applicable prices of average LME Copper Wire Bars (C<sub>0</sub>) should be for the month March 2006, where as the applicable price of Busbar grade Aluminium (AL<sub>0</sub>) and IEEMA index of Insulator (IN<sub>0</sub>) should be as on 1<sup>st</sup> April 2006 and Wholesale price index number for 'Iron & Steel' (IS<sub>0</sub>) should be for the week ending first Saturday of February 2006 and all India average consumer price index no. (W<sub>0</sub>) should be for the month of January 2006.

delhi  
 804, surya kiran,  
 19, kasturba gandhi marg,  
 new delhi 110 001, india.  
 p +91 11 23733013/14,  
 f +91 11 23733015  
 e delhi@ieema.org

bangalore  
 204, swiss complex,  
 33, race course road,  
 bangalore 560 001, india.  
 p +91 80 2220 1316/1318  
 f +91 80 2220 1317  
 e bangalore@ieema.org

kolkata  
 503a, oswal chambers,  
 2, church lane,  
 kolkata - 700 001, india.  
 p +91 33 22131326  
 f +91 33 22131326  
 e kolkata@ieema.org

Indian Electrical & Electronics Manufacturers' Association

REVISED VIDE (IA No. 188/8-7-09)

IEEMA/PVC/HT-SWGR (ABOVE 36KV)/2007

Effective from: 1<sup>st</sup> June 2007

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/SWGR (R-2)/ / \_ prevailing as on first working day of the month ..... i.e., one month prior to the date of tendering.

- IS = Wholesale price index number for 'Iron & Steel (Base: 1993-94=100)' (refer notes)  
This index number is as applicable for the week ending 1<sup>st</sup> Saturday of the month, four months prior to the date of delivery.
- C = Average LME settlement price of copper wire bars (refer notes)  
This price is as applicable for the month, three months prior to the date of delivery.
- AL = Price of Busbar grade Aluminium (refer notes)  
This price is as applicable on the 1<sup>st</sup> working day of the month, two months prior to the date of delivery.
- IN = IEEMA Index for Insulator (Base: January 2003=100) (refer notes)  
This index is as applicable on the 1<sup>st</sup> working day of the month, two months 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-2001 = 100)  
This index is as applicable on the first working day of the month, five months prior to the date of delivery.

For example, if date of delivery in terms of clause falls in May 2006, the applicable prices of average LME Copper Wire Bars (C<sub>0</sub>) should be for the month March 2006, where as the applicable price of Busbar grade Aluminium (AL<sub>0</sub>) and Phenolic moulding powder (IN<sub>0</sub>) should be as on 1<sup>st</sup> April 2006 and Wholesale price index number for 'Iron & Steel' (IS<sub>0</sub>) should be for the week ending first Saturday of February 2006 and all India average consumer price index no. (W<sub>0</sub>) should be for the month of January 2006.

The date of delivery is the date on which the Switchgear equipment 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.

**Part II: Price variation for import content of Switchgear (Above 36KV)**

$$PV_2 = \frac{100 \times I_0}{(100 + D_0)} \left( \frac{E_0}{E} - 1 \right) + \frac{I_0}{(100 + D_0)} \left( \frac{E_{C_0}}{E_C} D - D_0 \right)$$

Wherein

PV<sub>2</sub> = Variation in price in Indian Rupees on account of variation in exchange rates and rate of import duties, payable in accordance with the above formula.

I<sub>0</sub> = Rupee component of quoted price related to Imports (CIF in Rs. + Import duties at the rate D<sub>0</sub> defined below considered at the time of quotation)

E<sub>0</sub> = IEEMA's Banker's selling rate of exchange between foreign currency and Indian Rupees expressed in concerned foreign currency equivalent to Rupees 100 prevailing on the first Bankers working day one month prior to the date of tendering (refer notes)



IEEMA/PVC/HT-SWGR (ABOVE 36KV)/2007

Effective from: 1<sup>st</sup> June 2007

E = IEEMA's Banker's selling rate of exchange between foreign currency and Indian Rupees expressed in concerned foreign currency equivalent to Rupees 100 prevailing on the first Bankers working day four months prior to the date of delivery (refer notes)

D = Effective import duty rate in percentage (Excluding duties set off against MODVAT) as per item no. 85.38 of customs tariff act in so far as it applies to the parts of customs tariff item 85.35 prevailing on 1<sup>st</sup> working day of the calendar month, two months prior to the date of delivery.

D<sub>0</sub> = Effective import duty rate in percentage (Excluding duties set off against MODVAT) as per item no. 85.38 of customs tariff act in so far as it applies to the parts of customs tariff item 85.35 prevailing on 1<sup>st</sup> working day of the calendar month, one month prior to the date of tendering.

EC = Rate of exchange between foreign currency and Indian Rupees expressed in foreign currency equivalent to Rs. 100/- adopted by Customs prevailing on first working day of the calendar month, two months prior to the date of delivery (refer notes)

EC<sub>0</sub> = Rate of exchange between foreign currency and Indian Rupees expressed in foreign currency equivalent to Rs. 100/- adopted by Customs prevailing on first working day of the calendar month, one month prior to the date of tendering (refer notes)

Notes: (a) All prices of raw materials are exclusive of modvatable excise/CV duty amount and exclusive of any other central, state or local taxes, octroi etc. transformers manufacturers import major raw materials like Copper, CRGO Steel Sheets, TOBS and Insulating pressboards etc. The landed cost of these imported raw materials includes applicable custom duty but exclusive of modvatable CVD.

(b) All prices are as on first working day of the month.

(c) The details of prices are as under:

- 1) The wholesale price index number for 'Iron & Steel' is as published by the Office of Economic Advisor, Ministry of Industry, Govt. of India, New Delhi with base 1993-94=100. This wholesale price index number is being published weekly on provisional basis. However, the same gets finalized after eight weeks and is normally available after two months. Therefore, we are considering in our calculations this final index for the first Saturday of the months two months prior to the date of which the prices of other raw materials such as Al, IN are published for the corresponding month.
- 2) The LME price of Copper Wire Bars (in Rs./MT) is the LME average settlement price of Copper Wire Bars for one month prior to the month of the circular converted into Indian Rupees with applicable exchange rates prevailing as on 1<sup>st</sup> working day of the subsequent month. This price is the landed cost, inclusive of applicable customs duty only but exclusive of countervailing duty.
- 3) The price of Busbar grade Aluminium (in Rs./MT) is the average Ex-works price as quoted by primary producer of the Busbar size 152.4 x 6.35 mm flat approx. of grade equivalent to E91E as per IS 5082-1981 or latest.
- 4) The exchange rates that would be published by IEEMA would be for the following currencies only.  
1) US Dollars 2) Pound Sterling 3) Japanese Yen 4) Euro

  
Authorized Signatory

**ANNEXURE – III****PROFORMA FOR BANK GUARANTEE TOWARDS SECURITY DEPOSIT**

**(To be executed on non-judicial stamp paper of Rs. 250/- and  
Rs 1/- Revenue stamp may be affixed on Bank Guarantee)**

Bank Guarantee No..... Dated.....

In consideration of the Chhattisgarh State Power Transmission Company Limited, Raipur ( A successor company of Chhattisgarh State Electricity Board, Raipur hereinafter referred to as 'CSPTCL') having agreed to accept this Bank Guarantee in lieu of cash deposit by way of Security for due and faithful performance required from M/s. \_\_\_\_\_ (herein after referred to as "Contractors", the Bank of \_\_\_\_\_ hereby agrees unequivocally and unconditionally to pay within 48 hours on demand in writing from the Chhattisgarh State Power Transmission Company Limited or any officer authorized by it in this behalf of any amount upto and not exceeding Rs.....(in words) ..... only to the said Chhattisgarh State Power Transmission Company Limited on behalf of the aforesaid M/s ..... who have tendered and contracted for the supply of materials, equipments or services to the said the Chhattisgarh State Transmission Company Ltd, against order No..... dated..... For the order value of Rs.....

The beneficiary of this Bank Guarantee shall be Chhattisgarh State Power Transmission Company Limited, Raipur (A Successor Company of erstwhile CSEB Raipur). The proceeds / encashment of this Bank Guarantee would go in the name of Chhattisgarh State Power Transmission Company Limited, Raipur (A Successor Company of erstwhile CSEB Raipur).

This agreement should be valid .....and binding on this bank up to and including claim period upto \_\_\_\_\_ 20\_\_\_\_ or for such further period as may here under be mutually fixed from time to time in writing by the Chhattisgarh State Transmission Company Ltd. and the contractor shall not be terminable by notice or any change in the constitution of the aforesaid bank or the firm of Contractors or by any others reasons whatsoever and the Banker's liability hereunder shall not be impaired or discharged by any extension of time or variations or alteration made, given conceded or agreed to with or without the Bank knowledge or consent by or between the Chhattisgarh State Transmission Company Ltd. and contractor in the existing and / or further tenders and / or contracts.

It is agreed by the Bank with the CSPTCL that if for any reason a dispute arises concerning the Bank's liability to pay the requisite amount to the CSPTCL under the terms of this guarantee the competent court at Raipur alone shall have the jurisdiction to determine the said dispute and that this shall be without prejudice to the liability of the Bank under the terms of this guarantee being unequivocal and unconditional as mentioned above.

The liability under this guarantee is restricted to Rs..... (in words) .....only. This guarantee shall remain in force until dtd....., unless a demand to enforce a claim under the guarantee is made by CSPTCL to the Bank upto dtd..... the rights of the CSPTCL under this guarantee shall be forfeited and Bank shall be relieved and discharged from all liabilities there under.

WITNESSES:-

SIGNATURE

1. ....  
2. ....

Authorized Signatories of Bank  
Signed. \_\_\_\_\_  
for \_\_\_\_\_ Bank