

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

**OFFICE OF CHIEF ENGINEER (STORE & PURCHASE)  
CHHATTISGARH STATE POWER TRANSMISSION CO. LTD.  
Third Floor, SLDC Building, Dangania, Raipur (C.G.)-492013**

Phone: 0771- 2574236/40 Fax: 0771- 2574246  
Website- [www.cspc.co.in](http://www.cspc.co.in), email- [nk.bisen@cspc.co.in](mailto:nk.bisen@cspc.co.in)

**TENDER SPECIFICATION****TR-21/S&P/09**

**For  
SUPPLY OF  
220V-600AH, 110 V-600AH & 300AH  
and 48 V-600AH & 300AH  
BATTERY CHARGER  
RFx No-8100022537**

**LAST DATE & TIME OF SUBMISSION OF TENDER  
16.08.2021(TIME 15:00 HRS.)**

**DUE DATE OF OPENING OF TENDER  
16.08.2021 (TIME 15:30 HRS.)**

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

**INDEX**

Sr. No.	PARTICULARS	PAGE No.
1	Tender Form	03
2	NIT	04-05
3	Special Instruction to bidders for submission of bid through SAP –SRM module(e-bidding)	06-07
4	Section - I - Special Instructions & General Instructions to Bidders.	08-29
5	Section – II -Technical Specifications	30-39
6	SCHEDULES	
(a)	SCHEDULE I - Schedule of price and quantity	40
b)	SCHEDULE- II - G.T.P.	41-42
(c)	SCHEDULE III- Bidders experience	43
(d)	SCHEDULE – IV- Manufacturer’s details	44
(e)	SCHEDULE V - Commercial information	45-46
(f)	SCHEDULE VI A – Commercial Deviation	47
(g)	SCHEDULE VI B – Technical Deviation	48
(h)	SCHEDULE VII – General Information	49
(i)	SCHEDULE VIII – Details of drawings	50
(j)	SCHEDULE IX – details of fitting & accessories to be provided with each type of station battery sets	51
7	ANNEXURE – I (IEEMA formula )	52-55
8	ANNEXURE – II (Pre- contract Integrity Pact)	56-60
9	Annexure III- Proforma for Bank Guarantee against Security Deposit	61

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

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 CO. LTD.  
RAIPUR, C.G. (INDIA)****TENDER FORM**

The undersigned hereby tender and offer (subject to CSPTCL's conditions of tendering), the Chhattisgarh State Power Transmission Company Ltd 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 & Annexures to the specification **TR-21/S&P/09**, 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. 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.**

Note:- This form duly signed & stamped should be enclosed with Commercial bid invariably in original i.e. in sheet bearing CSPTCL's officer's sign.

**CHHATTISGARH STATE POWER TRANS. CO. LTD.**

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

**CIN- U40108CT2003SGCO15820 / GSTIN-22AADCC5773E1ZX****O/o Executive Director (Store & Purchase)**3<sup>rd</sup> Floor, SLDC Building, Daganiya, Raipur(C.G.)-492013Website- [www.cspc.co.in](http://www.cspc.co.in)

Phone-0771-2574240/36/04

email- [nk.bisen@cspc.co.in](mailto:nk.bisen@cspc.co.in)

Fax-0771-2574246

No.02-16/SE-I(S&amp;P)/TR-20/S&amp;P/09/ 0639

Raipur, Dtd 19.07.2021

**E-PROCUREMENT TENDER NOTICE**

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

Sl. No.	Tender No.	Particulars	Qty	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/07 RFx No-8100022434	Providing, Fixing, Testing and Commissioning of Fire Protection system by dismantling of existing system at 400 KV S/s Khedamara under PSDF Scheme.	1 JOB	1120/-	1180/-	1,40,000/-	17.08.2021
2.	TR-21/S&P/09 RFx No-8100022537	Battery Charger i) 48V/ 300AH ii) 48V/ 600AH iii) 110V/ 300 AH iv)110V/ 600AH v) 220V/ 600AH	i) 24 No. ii) 1 No. iii) 6 No. iv) 7 No. v) 4 No.	1120/-	1180/-	1,10,000/-	16.08.2021

- 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.
- v) 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.
- vi) **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 CE (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/09** 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> & <http://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.

Last date & time of submission of bid in hard copy and also in softcopy is **16.08.2021 upto 3:00 pm** and due date & time of opening of part –I and part-II of the tender. is **16.08.2021 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 is 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/ Hard 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 up to 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-<http://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 tenderer.

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

**SECTION –I**  
**SPECIAL 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 16.08.2021 **upto 3:00 PM** and tender will be opened on same day at 3.30 PM in the Office of CE (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. **Earnest Money:-** The earnest Money in the instant tender is **Rs 1,10,000/-** (Rs One Lakh Ten Thousand only.) payable in the form of demand draft in favour of Manager (RAO : HQ), CSPTCL, Raipur.

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

4. **The pre qualifying requirements proposed to be incorporated are as mentioned here under:**

	<b>PQR of The Instant Tender</b>	<b>Document to be required</b>
(A)	<b>TECHNICAL &amp; SUPPLY EXPERIENCE REQUIREMENT</b>	
(i)	<b>For Regular Supplier</b>	
1.1	The Bidder should be manufacturer of battery charger having manufacturing unit in India.	In support of bidder being manufacturer of tendered material/equipment offered 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/ Certificate of incorporation issued by industries department of State/Central Government for tendered item/items should be submitted.
1.2	The bidder should have minimum experience of at least <b>Three (3) years</b> for manufacture and supply of	(A) Direct supply to utility:- <b>i)</b> In support of Bidder having minimum experience of at least Three (3) years of manufacturing and supply



battery charger (as mentioned) to following Indian Entities as on date of issue of NIT:- i) Power utilities owned and controlled by Central or State Govt. <b>Or</b> ii) PSUs <b>Or</b> iii) Govt . organizations  directly or through turnkey contractors.			of battery charger (as mentioned), copies of purchase orders (in the name of manufacturer) and relevant MRCs (Material Receipt Certificate) issued by the entities mentioned in clause(i)1.2 will be submitted. The date of receipt mentioned in the MRC will be treated as actual date of supply.  ii) The supply experience as on 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 (i)1.2 of PQR. <b>iii)</b> If performance certificate indicates both proof of supply experience of three (3) years or more and satisfactory performance for two (2) years or more [as per clause (i) 1.3], 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 two (2) years as per PQR. All these documents should be attested by the authorized signatory of the tender.
S. N	Rating of Battery Charger	Experience required	<b>(B) Through Turnkey contractors:-</b> <u>1.</u> Self attested Copies of order issued by the entities mentioned in clause (i) 1.2 of PQR to the turnkey contractor (Order should be in the name of the turnkey contractor).  <u>2.</u> Self attested Copies of order issued by the turnkey contractor(s) to the manufacturer (bidder).  <u>3.</u> Self attested Copies of inspection letter and dispatch clearance issued by the entities mentioned in clause (i) 1.2 of PQR to the manufacturer (bidder).  <u>4.</u> Self attested Copies of invoice issued by the turnkey contractor to the entities mentioned in clause (i) 1.2 of PQR.  Self attested Copies of performance certificate issued by the entities mentioned in clause (i) 1.2 of PQR towards proof of execution of order placed by the turnkey contractor to the manufacturer(bidder) and successful performance of minimum two (2) years[as per clause (i) 1.3].
i	48 V 300AH	Minimum Three years supply experience of 48V 300 AH or higher rating	
ii	48V 600AH	Minimum Three years supply experience of 48V 500/600AH or higher rating	
iii	110V 300AH	Minimum Three years supply experience of 110V 300 AH or higher rating	
iv	110V 600AH	Minimum Three years supply experience of 110V 500/600AH or higher rating	
v	220V 600AH	Minimum Three years supply experience of 220V 500/600AH or higher rating	

		<table border="1"> <thead> <tr> <th>S.N</th> <th>Rating of Battery Charger</th> <th>Experience required</th> </tr> </thead> <tbody> <tr> <td>i</td> <td>48 V 300AH</td> <td>Minimum Three years supply experience of 48V 300 AH or higher rating</td> </tr> <tr> <td>ii</td> <td>48V 600AH</td> <td>Minimum Three years supply experience of 48V 500/600AH or higher rating</td> </tr> <tr> <td>iii</td> <td>110V 300AH</td> <td>Minimum Three years supply experience of 110V 300 AH or higher rating</td> </tr> <tr> <td>iv</td> <td>110V 600AH</td> <td>Minimum Three years supply experience of 110V 500/600AH or higher rating</td> </tr> <tr> <td>v</td> <td>220V 600AH</td> <td>Minimum Three years supply experience of 220V 500/600AH or higher rating</td> </tr> </tbody> </table>	S.N	Rating of Battery Charger	Experience required	i	48 V 300AH	Minimum Three years supply experience of 48V 300 AH or higher rating	ii	48V 600AH	Minimum Three years supply experience of 48V 500/600AH or higher rating	iii	110V 300AH	Minimum Three years supply experience of 110V 300 AH or higher rating	iv	110V 600AH	Minimum Three years supply experience of 110V 500/600AH or higher rating	v	220V 600AH	Minimum Three years supply experience of 220V 500/600AH or higher rating
S.N	Rating of Battery Charger	Experience required																		
i	48 V 300AH	Minimum Three years supply experience of 48V 300 AH or higher rating																		
ii	48V 600AH	Minimum Three years supply experience of 48V 500/600AH or higher rating																		
iii	110V 300AH	Minimum Three years supply experience of 110V 300 AH or higher rating																		
iv	110V 600AH	Minimum Three years supply experience of 110V 500/600AH or higher rating																		
v	220V 600AH	Minimum Three years supply experience of 220V 500/600AH or higher rating																		
1.3	<p>The battery charger (as mentioned) should be in successful operation for minimum <b>2 years</b> from the date of commissioning as on date of issue of NIT in the <b>aforsaid entities mentioned in clause 1.2.</b></p>	<p>In support of satisfactory performance , a self attested copy of performance certificate in support of minimum two (2) years successful performance issued by the entities mentioned in clause (i) 1.2 of the PQR will have to be submitted.</p> <table border="1"> <thead> <tr> <th>S.N</th> <th>Rating</th> <th>Performance required</th> </tr> </thead> <tbody> <tr> <td>i</td> <td>48 V 300AH</td> <td>Satisfactory performance of minimum two years for 48V 300 AH or higher rating.</td> </tr> <tr> <td>ii</td> <td>48V 600AH</td> <td>Satisfactory performance of minimum two years for 48V 500/600AH or higher rating.</td> </tr> <tr> <td>iii</td> <td>110V 300AH</td> <td>Satisfactory performance of minimum two years for 110V 300 AH or higher rating.</td> </tr> <tr> <td>iv</td> <td>110V 600AH</td> <td>Satisfactory performance of minimum two years for 110V 500/600AH or higher rating.</td> </tr> <tr> <td>v</td> <td>220 V 600 AH</td> <td>Satisfactory performance of minimum two years for 220V 500/ 600AH or higher rating.</td> </tr> </tbody> </table>	S.N	Rating	Performance required	i	48 V 300AH	Satisfactory performance of minimum two years for 48V 300 AH or higher rating.	ii	48V 600AH	Satisfactory performance of minimum two years for 48V 500/600AH or higher rating.	iii	110V 300AH	Satisfactory performance of minimum two years for 110V 300 AH or higher rating.	iv	110V 600AH	Satisfactory performance of minimum two years for 110V 500/600AH or higher rating.	v	220 V 600 AH	Satisfactory performance of minimum two years for 220V 500/ 600AH or higher rating.
S.N	Rating	Performance required																		
i	48 V 300AH	Satisfactory performance of minimum two years for 48V 300 AH or higher rating.																		
ii	48V 600AH	Satisfactory performance of minimum two years for 48V 500/600AH or higher rating.																		
iii	110V 300AH	Satisfactory performance of minimum two years for 110V 300 AH or higher rating.																		
iv	110V 600AH	Satisfactory performance of minimum two years for 110V 500/600AH or higher rating.																		
v	220 V 600 AH	Satisfactory performance of minimum two years for 220V 500/ 600AH or higher rating.																		
1.4	<p>The Bidder should submit self attested copy of the type test reports conducted as per relevant standards i.e. ISS/ IEC carried out at &amp; issued by Govt. Standard laboratory/ NABL accredited laboratory / ILAC accredited Laboratories on respective 220V 500/600 AH ,110V 500/600 AH ,110V 300 AH ,48 V 500/600 AH and 48V 300 AH battery chargers.</p> <p>The type test report should not be older than <b>Seven (7) years</b> as on the date of issue of NIT.</p>	<p>The bidder should submit self attested copies of all type test reports required as per clause (i) 1.4 .</p>																		

	The type test reports, which could not be re-validated due to lock down since 23/03/2020, shall be treated as valid upto 30/09/2021 as per CEA's circular no. CEA-PS-80/1/2019-PSETD Division Part (2)/564-640.	
(ii)	<b>For CG State Units -</b>	
1.1	Chhattisgarh state based Micro and small Enterprises (hereinafter referred as CG State SSI Units) should be registered under Micro, Small and Medium Enterprises Development Act, 2006 for manufacturing tendered item.	In support of manufacturing & technical requirement a copy of registration under MSME act 2006, type test for tendered items, duly self attested to be submitted.
1.2	<p>The Bidder should submit self attested copy of the type test reports conducted as per relevant standards i.e. ISS/ IEC carried out at &amp; issued by Govt. Standard laboratory/ NABL accredited laboratory / ILAC accredited Laboratories on respective 220V 500/600 AH ,110V 500/600 AH ,110V 300 AH ,48 V 500/600 AH and 48V 300 AH battery chargers.</p> <p>The type test report should not be older than <b>Seven (7) years</b> as on the date of issue of NIT.</p> <p>The type test reports, which could not be re-validated due to lock down since 23/03/2020, shall be treated as valid upto 30/09/2021 as per CEA's circular no. CEA-PS-80/1/2019-PSETD Division Part (2)/564-640.</p>	The bidder should submit self attested copies of all type test reports required as per clause (i) 1.4 .
<b>B</b>	<b>COMMERCIAL REQUIREMENT</b>	
(i)	<b><u>For Regular Suppliers:-</u></b>	
1.1	<p>The bidder should have Minimum Average Annual Turn Over (MAAT) for <b>best three years</b> out of last five financial years i.e. 2015-16, 2016-17, 2017-2018 , 2018-2019 &amp; 2019-20 of <b>Rs. 163 Lakh (Rs. One Hundred Sixty Three Lakh only)</b>.</p> <p>In case bidder is a holding company, MAAT shall be that of holding company only (i.e. excluding its</p>	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 <b>(i.e. F.Y 2015-16 2016-17 &amp; 2017-2018, 2018-2019 &amp; 2019-20)</b> .

	subsidiary / group companies). In case bidder is a subsidiary of a holding company, the MAAT shall be of subsidiary company only (excluding its holding company).	
1.2	<p>Net worth of bidder for last three financial years i.e .<b>2017-2018 , 2018-2019 &amp; 2019-20</b> out of submitted balance sheets as per clause 1.1 above, should be positive.</p> <p>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.</p>	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. F.Y <b>2017-2018, 2018-2019 &amp; 2019-20</b> ) along with audited balance sheet for these 3 years shall also be furnished.
1.3	<p>The bidder shall submit certificates (in original) from CA stating that:-</p> <p>a. All payment obligations (principal/interest) on outstanding debentures have been discharged and no such payment as on 31.06.2021 is outstanding/overdue.</p> <p>b. The Bidder is presently not in default in payment of any bank loan or interest thereon for more than three months or any loan account of the bidder has not been classified as NPA (Non performing assets) by the creditor/leading bank as on date of issue of NIT.</p>	Original Certificates issued by CA as per clause (i) 1.3.
(ii)	<b>For C.G. State SSI units:</b>	
1.1	<p>CG state SSI units should have aggregate Turn Over of minimum Rs. <b>7.40 Lakhs ( Seven Lakh Forty Thousand Only)</b> during <b>best three years</b> out of last five financial years i.e. 2015-16, 2016-17, 2017-2018 , 2018-2019 &amp; 2019-20.</p> <p>In case bidder is a holding company, MAAT shall be that of holding company only (i.e. excluding its subsidiary / group companies). In case bidder is a subsidiary of a holding company, the MAAT shall be of subsidiary company only (excluding its</p>	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 ( <b>i.e. F.Y 2015-16 2016-17 &amp; 2017-2018, 2018-2019 &amp; 2019-20</b> ).

	holding company.	
1.2	<p>Net worth of bidder for last three financial years i.e 2017-2018, 2018-2019 &amp; 2019-20 out of submitted balance sheets as per clause (B) (i) above, should be positive.</p> <p>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.</p>	<p>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. F.Y <b>2017-2018, 2018-2019 &amp; 2019-20</b>) along with audited balance sheet for these 3 years shall also be furnished.</p>
1.3	<p>The bidder shall submit certificates (in original) from CA stating that:-</p> <p>a. All payment obligations (principal/interest) on outstanding debentures have been discharged and no such payment as on 31.06.2021 is outstanding/overdue.</p> <p>b. The Bidder is presently not in default in payment of any bank loan or interest thereon for more than three months or any loan account of the bidder has not been classified as NPA (Non performing assets) by the creditor/leading bank as on date of issue of NIT.</p>	<p>Original Certificates issued by CA as per clause (i) 1.3.</p>
<b>C</b>	<b>OTHER REQUIREMENT</b>	
1.1	<p>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:-</p> <p>a. If, bidder is debarred/black-listed by Bank / State Govt. / Central Govt./ State PSU/CPSU/SEB/Public utility up to date of opening of price bid of the instant tender.</p> <p>b. If a case comes to notice regarding submission of forged/fake document in any other tender under process in CSPTCL up to date of opening of price bid of the instant tender.</p>	<p>A declaration in this regard shall be furnished by the bidder.</p>

1.2	“Any sums of money due to CSPTCL on the date of opening of tender should have been paid/settled in full prior to the date of opening of tender. Price bids of bidders not complying with the requirement shall not be opened.”	A declaration in this regard shall be furnished by the bidder.
1.3	The bidder shall have to submit pre-contract integrity pact in the format enclosed as Annexure-IV on non-judicial stamp paper worth Rs.300/- 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 Annexure-IV.
1.4	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/statement/ attachments/ information are found to be false / fake / misleading the bidder will be disqualified and action will be taken against the bidder as per relevant provisions of the tender.	A declaration in this regard shall be furnished by the bidder.

5. The offered prices for **chargers** should be variable as per **IEEMA** price variation formula as per circular enclosed in Annexure-I of this specifications 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. If delivery of material get delayed beyond contractual delivery period, price variation claimed shall be governed as detailed in clause 4.3.1 of section-I of this specifications.
6. It will be presumed that the bidder has taken utmost care while quoting ex-works unit rates and tax rates in the price bid, which shall be considered as base for computation of total prices. However, in case of any arithmetical mistakes/errors in calculation for arriving at total FORD rate, arithmetic corrections shall be made as per the quoted basic rate/ tax rate for the purpose of computation to decide the relative position of bidder. However, for placement of order lower of the two values will be considered.
7. The tender offers of those Bidders, who do not agree to CSPTCL’s payments terms, security deposit clause, penalty clause, performance guarantee clause shall be liable for rejection.

8. A certified copy of valid ISI license/ marking sight may be submitted along with the offer. The license should be valid on the due date of opening of tender.
9. 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 / cash payment 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.cseb.gov.in and bidders may download the tender 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).
10. 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.
11. **The bidder should ensure following points in order to avoid rejection of tender:-**
  - i) DD towards EMD **OR** 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 be self atteseted. In case of non compliance of above instructions, tender shall be liable for rejection. **The bidder should furnish valid GST registration number and certificate along with 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 are to be submitted inside envelope II.

12. **EXTREMELY IMPORTANT (Bidders to note this to avoid bid rejection):-**

- i) **It will be the sole responsibility of the bidder to make sure that all the documents required as per tender are submitted along with bid on or before due date of tender. The bid submission date is cut of date for all the documents required as per tender and every bidder must adhere to this dead line.**

**However, if any short coming is observed during scrutiny of TC bid, CSPTCL reserves the right to seek required clarification/documents from bidder by giving them only one chance to submit required documents/ clarifications/ confirmations within specified time limit.**
- ii) **If a bidder has quoted 'NIL' deviation in Schedule- VIA (deviation from technical specification/ conditions) and Schedule- VIB (deviation from commercial conditions) this will have an overriding effect on any other conditions notes as deviations elsewhere in the bid.**

## **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: -**

#### **1. For C.G. State SSI Units:-**

For C.G. State SSI units meeting all technical requirements of tender upto maximum 25% of tendered quantity is reserved for CG state SSI/MSME units for procurement of subject material to the following terms & condition.

- (i) Chhattisgarh State based Micro and Small Enterprises (hereinafter referred as CG State SSI Units) should be registered under Micro, Small and Medium Enterprises Development Act, 2006 for tendered items.
- (ii) CG State SSI units should have the requisite valid type test reports of tendered material/equipment and BIS License.
- (iii) CG State SSI units-offering against reserved quantity for CG State SSI units, shall not quote price for tendered item.
- (iv) CG State SSI unit shall offer minimum 10% of quantity allocated for CG State SSI units.
- (v) Maximum quantity of tendered item which any CG State SSI unit may offer shall be restricted to 100 % of reserved quantity for CG State SSI Units. However, it shall be limited as per production/manufacturing capacity of that item (as mentioned in the SSI Certificate) with respect to time frame of supply mentioned in the tender.
- (vi) If any CG State SSI unit submits the price bid in open tender, he shall not be considered against quantity reserved for CG State SSI units.
- (vii) The rate quoted by the L-1 bidder in the open tender shall be counter offered to all eligible CG State SSI units. On receipt of their acceptance, earmarked quantity for CG units (maximum 25%) shall be equally distributed to all such firms subject to their individual ceiling.
- (viii) In case of non/partial acceptance of allocated quantity by any CG State SSI units, the unallocated remaining quantity out of reserved tendered quantity (maximum 25%) shall be equally distributed among other eligible CG State SSI units subject to their consent and individual ceiling.
- (ix) In case any quantity or whole quantity remains left from CG State SSI units, the same shall be allocated to regular bidders in same ratio as per tender clause.
- (x) CG State SSI units are also eligible for extension order up to 50% of the original order quantity placed on them.



2. **For Regular Suppliers:-** The 75 % of entire tendered quantity will be offered to L-1 bidder.

S.No.	Battery Charger	TOTAL Quantity (No.)	Total Quantity for CG State SSI Unit (25 % of Total Quantity appr.) (in No.)	Total Quantity for Regular suppliers(75 % of Total Quantity appr.) (in No.)
1	48V, 300 AH	24	05	19
2	48V, 600 AH	01	0	01
3	110V, 300 AH	06	01	05
4	110V, 600 AH	07	02	05
5	220V, 600 AH	04	01	03

In Case of non participant/Non acceptance of C.G. State SSI Units, 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 against the tendered material supplied against CSPTCL's orders.
- (iii) If L-1 rate is not considered to be reasonable ,negotiation will be held with the L-1 bidder only.

**In Case of non participant/Non acceptance of C.G. State SSI Units, the entire tendered quantity will be offered to respective L-1 bidder, bidder will have to quote for entire quantity.**

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 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 each size / type 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.

**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.
- 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 documentary evidence must be furnished with offer.
- iv) The photocopy of the NSIC/ SSI registration certificate for the tendered item should be furnished with the offer.  
**It has been noticed that some bidders submit photocopy of certificate. This is not acceptable. The photocopy of valid NSIC certificate should be signed by authorized signatory failing which tender shall be liable for rejection.**
- v) The Bidders who come under any of above category must produce documentary evidence failing which offer shall be rejected.
- vi) **The bidder should furnish valid GST registration number and certificate along with EMD. 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.

**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) 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 penalty 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 organized 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.

**Un-priced bid in prescribed format shall be submitted along with TC 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 **the material/equipment** should be variable as per IEEMA formula indicated in Annexure-I 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.

It is not required to upload /attach scanned copy of price in soft 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. 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) 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 6 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 tender IEEMA notifies either modification in prevailing formula or new formula the same shall be applicable.

#### 4.3.2 **TERMS OF PAYMENT:**

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 (Finance), CSPTCL for arranging payment.

#### 4.3.3 **DELIVERY PERIOD:**

The 100% ordered quantity should be delivered within 4 months from the date of order. The drawing should be submitted within 10 days from 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:-

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

- (c) Cancel the contract.

#### 4.3.4 **LIQUIDATED DAMAGES:-**

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% of contract value excluding taxes.

For this purpose date of offer for inspection of material in the O/o Chief Engineer (S&P) CSPTCL shall be considered as the date of delivery subject to condition that offer has been made 15 days in advance of terminal date of scheduled delivery & material is delivered at stores within 21 days of issue of DI. 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 CE (S&P) ,CSPTCL 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), CSPTCL 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/Material 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 /repaired 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.
- (iv) 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 the outside state units shall be required to pay security deposit @10% of order value.
- (ii) All the SSI units of CG having annual business above Rs.50.00 Lacs, shall be required to pay Security deposit @7.5% of the value of order subject to maximum of 10 Lacs.
- (iii) In case of SSI units of CG whose annual is up to Rs.50.00 Lacs, they will be required to pay Security deposit @ 5% of the value of order subject to maximum of Rs.20,000/- (Twenty Thousand Only).

In support of annual business of SSI units of CG the certificate of Chartered Accountant should be furnished. **This bank guarantee shall be submitted within 30 days of order and shall be kept valid for guarantee period exceeding claim period of 6 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 awaiting 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 from 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).

#### 4.4 **Part - III PRICE BID:-**

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 along with 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 5.0 is not found inside the envelope
- ii) **The GST registration certificate is not furnished**
- iii) 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 the tender document) This envelope should contain the Technical Bid and commercial bid complete in all respects along with **un-priced** bid, in duplicate & Integrity pact as per proforma in Annexure -II.
- (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/09 DUE FOR OPENING ON  
DTD ..... FOR SUPPLY OF  
**Battery Charger****

THIS ENVELOPE CONTAINS TWO 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 -III

**To,**

**The Executive Director(Store & Purchase),  
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 damages	agreed
4	performance guarantee	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 authorizing him to do so. The notarized 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 authorized to submit the tender on behalf of the company and shall be accompanied by notarized copy of resolution / abstract of Article of Association/ special or general power of attorney.

**6. OPENING OF TENDERS:-**

Part - I i.e. Earnest Money 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 bidders **whose GST registration certificate is attached and EMD are found to be as per tender specification**. These bids will be scrutinized and then we will take decision regarding opening of 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 three 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/ material 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/ material shall in no way relieve the successful supplier of his responsibility for meeting all the requirements of this specification and shall not prevent subsequent rejection if such equipments are later found to be defective.
- e) The readiness of material for inspection should be intimated to O/o the ED (S&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/IEC standards 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.
- g) **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/- plus expenditure incurred toward deployment of officer.

#### 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. TEST CERTIFICATE:-**

The Bidder should have all the type test certificates of ISS/ IEC carried out at & issued by Govt. Standard laboratory/ NABL accredited laboratory / ILAC accredited Laboratories on respective 220V 500/600 AH ,110V 500/600 AH,110V 300 AH ,48 V 500/600 AH and 48V 300 AH battery chargers. The type test report should not be older than **Seven (7) years** as on the date of issue of NIT. Without required type test certificate the offer shall be liable for rejection.

**13. 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 scrutinized 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.**

14. **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.
15. **Telex/ telegraphic/ fax bids:** Telex/ telegraphic/ fax offers will not be considered under any circumstances.
16. **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. Such offers can also be rejected.
17. **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.
18. **Printed terms & conditions in bids:** Supplier's printed terms and conditions will not be considered as forming part tender under any circumstance whatsoever.
19. **Alterations/ correction in bids:** No alternations in the tender document will be permitted.

20. **Incomplete bids:** Tender which is incomplete or obscure is liable for rejection.
21. **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.
22. **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.
23. **Language of bids:** All tenders should be made either in English or in Hindi only.
24. **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.
25. **Cancellation of order:**
- 25.1 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.
- 25.2 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.
- 25.3 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.
- 25.4 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.

25.5 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.

**25.6 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.**

**26. 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.

27. **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.

28. **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.

29. **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**

**220V 600AH,110V300AH,110V600AH,48V600AH & 48V300AH Battery Chargers**

**SCOPE:-** This specification covers the design, manufacture, and assembly, testing at manufacturer's works, supply and delivery of 220 V 600 AH, 110 V 600 AH, 110V 300 AH ,48 V 600 AH & 48 V 300AH Battery Chargers. The required quantities are mentioned in schedule –I (Price bid).

**1. TYPE & RATING: -**

Battery Chargers shall be of indoor type, air cooled, three phase, 50 cycles, input, self cooled and suitable for operating in humid atmosphere and in the tropical sun with ambient temperatures up to 55 degree C.

**1.1 STANDARDS:-** Unless otherwise specified, the equipment shall conform to the latest applicable Indian, IEC, British or USA standards, and in particular to the following standards:-

1.	IS:1651	Specifications For Stationery Cells And Batteries, Lead Acid Type With Tubular Positive Plates
2.	IS:3895	Specification For Rectifier Equipments
3.	IS:9224	Specifications For HRC Fuses
4.	IS:1248	Indication Instruments
5.	IS:2147	Degree Of Protection For Cubicles
6.	IS:375	Specification For Wiring
7.	IS:4540	Mono Crystalline Semi Conductor Rectifier Assemblies And Equipment
8.	IS:6619	Safety Code For Semi Conductor Rectifiers
9.	IS:2026	Transformers
10.	IS:2959	A.C. Contractors For Voltage Not Exceeding 1000 V
11.	IS:4237	General Requirements For Switch Gear In Control Gear For Voltage < 1000 <1000 Volts
12.	IS:4064	Air Break Switches And Fuse Units
13.	IS:6005	Code Of Practice For Phosphating
14.	IS:5568	Colour For Ready Mix Paints
15.	IS:2489,59 21	Printed Circuit Boards
16.	IS:5578	Guide For Making Insulated Conductors

**1.2 PARAMETERS**

**1.2.1** Basic requirement of 220V,110 & 48V volt battery charger is that under all conditions of failure of any component of trickle charger, boost charger, A.C. supply, faults during the short circuit etc.; over voltage conditions, under voltage conditions etc.

load and battery should always remain paralleled. The interruption of D.C. supply to load under any circumstances cannot be afforded and therefore this requirement should be kept in view very carefully.

- 1.2.2 The battery charger should have two independent units one for boost charging and another for trickle charging. At a time only one unit shall be in service through a selector switch. Float cum boost chargers are not acceptable in any case.
- 1.2.3. While boost charging the batteries the load shall also be connected but through dropper diodes in series allowing voltage drop up to 20V so that the load voltage is not excessive.
- 1.2.4 The out put of the trickle charger unit for 220V,110 V & 48V system shall be fed to the battery and will also directly fed to the load without any dropper diode in the circuit. The selection of number of dropper diodes in circuit shall be made Possible through selector switch.
- 1.2.5 The output voltage of boost charger should be designed on the basis of maximum voltage of 2.7 volt (quick charge finishing rate) per cell.
- a) The charger should be capable of continuous operation at rated load.
  - b) The charger shall be designed for charging of Low Maintenance Low Acid batteries however provision should be made to charge the VRLA batteries also by small modification.
- 1.2.6 **VOLTAGE REGULATION**
- i. Float charger output voltage should be set within following limits.
  - ii. **48 V charger** – 48 volt plus/minus 1% on load bus. Thus the design should be such that the bus voltage is sensed and output voltage is regulated within plus/minus 1% range. Thus in this case the trickle charger should simultaneously provide  $2.2 \times 24 = 52.8$  Volt output for trickle charging of the battery as well as regulated voltage of 48 volt plus/minus 1% at the load bus. The arrangement provided for meeting these requirements should be explained.
  - iii. **110 V charger** – The output of the unit shall be  $2.2 \times 55 = 121$  V which would be supplied to the battery for trickle charging and same voltage without any drop but with regulation of minus 1 % shall be provided for the load bus. Voltage above 121 volt at load bus is not acceptable.
  - iv. **220 V charger** – The output of the unit shall be  $2.2 \times 110 = 242$  V which would be supplied to the battery for trickle charging and same voltage without any drop but with regulation of minus 1 % shall be provided for the load bus. Voltage above 242 volt at load bus is not acceptable.
- 1.2.7 Output voltage of boost charger unit shall be designed on the basis of maximum voltage of 2.7 volt (quick charge finishing rate) per cell i.e.  $2.7 \times 110 = 297.0$  Volts for 220V charger,  $2.7 \times 55 = 148.5$  volts for 110 volt charger and  $2.7 \times 24 = 64.8$  volts for 48 volt charger.
- 1.2.8 In case of 48 volt charger ripple content for both float and boost circuit should be within maximum limit of 2 mill volt psophometric with battery in circuit and a maximum of 4 mill volt psophometric without battery. In case of 220 and 110 V charger for trickle charger unit and boost charger unit ripple control shall be within limit of 1 % of the output voltage.

**The 48 Volt Charger shall be suitable for operating on positive ( +Ve) grounded battery system.**

### 1.2.9 FAULT LEVEL

The fault level of the auxiliary AC supply at the terminals of the charge shall be 10 KA. All accessories shall be selected and equipment shall be designed accordingly.

### 1.2.10 INPUT SUPPLY

Input supply where the charger is to be installed shall be 415 V with a variation from 360V to 450V.

### 1.2.11 CONSTRUCTION

1.2.12 Charger cabinets shall sheet metal enclosed and shall be dust, weather and vermin proof. Sheet steel used shall be at least 2.0 mm. thick and properly braced to prevent wobbling wherever necessary. The cubicle shall be of iron angle frame, i.e. suitable sturdy frame shall be prepared with strong base channels, to bear the load of heavy accessories.

Charger cabinet shall be free standing, floor mounting type and shall be provided with a hinged door in the back with suitable pad locking arrangements.

All doors, removable covers and plates shall have gasket all around with neoprene gaskets. Louvers where provided shall have screens and filters. The screens shall have fine wire mesh made of G.I. wire.

### 1.2.13 Wiring.

For the wiring purpose standard 1100 volt stranded copper conductor of 2.5 mm<sup>2</sup> area with minimum seven strands should only be used.

The terminations shall be crimped tag solder-less type with covering sleeves only. Colour coded wire should be used to facilitate easy tracing of wires as under:-

- a) A.C. circuit
  1. Red, yellow and blue for RYB phases
  2. Green for earthing
  3. Black for neutral
- b) D.C. Circuit.
  1. Red for positive.
  2. Black for negative.
- c) Control Wiring
  1. Grey for annunciation & other control circuits.

1.2.14 Electrical indicating instruments shall be mounted flush on the front panel.

1.2.15 Since a number of wires run from one point to another, it is desired that the support arrangement should be adequate and neat. The conventional method of bunching of wires should not be adopted since the same creates problems in case any wire is to be removed. The blank plastic channels should be provided by the sides of the panels to accommodate the incoming channels from switch-yard.

1.2.16 The input and output terminals should be neatly brought out on the backside of the charger. The terminals to be provided are 4 Nos. for AC input i.e. RYBN and two nos from load i.e. positive (+), and Negative (-), plus two numbers from battery connections i.e. positive, negative and all tap cell connections.

## 1.3 CAPACITY & RATING FOR CHARGERS.

For battery chargers of different ratings the ultimate capacity shall be designed based on the following requirements.



Requirements	48V 300 AH	48V 600 AH	110 V 600 AH	110 V 300 Ah	220 V 600 AH
TRICKLE CHARGER UNIT					
Load (Amperes )	30	60	60	24/30	60
Trickle current (mAmps)	300	300	300	300	600
Total design rating of trickle charger	31	61	61	25/31	61
BOOST CHARGER UNIT					
1. Load (Amperes).	30	60	60	24/30	60
2. Boost Current(Amps)	30	60	60	30	60
3.Total Requirement (Amps)	60	120	120	54/60	120

- 1.3.1 Common features and General Requirements:-** The Battery Charger shall have two independent units one for Boost charging and the other for the float charger. At a time only one unit shall be in service through a selector switch.
- 1.3.2 Rating of Main X-Mer for Float & Boost Charger :-** The main step down transformer rating shall be decided considering the rated DC out put, efficiency and a factor of safety of 1.2. The current density in the copper windings shall be **1.5A/mm<sup>2</sup>**. The Xmer shall be **double wound type**. The magnetizing current shall be **less than 3%** of the rated current at 415V AC. Thus the Xmer shall function at low value of flux density. The temperature rise of the transformer when supplying full load DC out put shall not exceed 40 Deg. C above an ambient of 45 Deg. C. These features shall be checked at the time of inspection.
- 1.3.3 Measurement of Battery Current :-** For the long life of Battery the normal current(Trickle current) is in the range of 300-600 mA. The charge/discharge Ammeter provided by the charger manufacturer has a range of -50A to + 100 Amp. With this range it is not possible to know to the exact current flowing to or supplied by the battery under float charge.
- It is, therefore, desired that a shunt of Rating 100 Amp & resistance 0.01 ohms (i.e. a shunt with 100 Amp and 1000 mV) is provided in the Battery Ckt. A d.c. digital milli volt meter having multiple scale of 20 mV, 200 mV & 2V with selector switch & polarity sign shall be provided in parallel to the shunt. It is not necessary to calibrate the meter in Amps. Even low value of Trickle current can be measured by means of voltage across the shunt. The value of shunts i.e. Amp & mV shall be marked on the front panel beneath the volt meter. When the current is not to be measured this shunt shall be by passed by means of a removable switch/ link on the front. **A Red Colored light emitting diode (LED) shall glow immediately as soon as the battery goes in discharge mode.** This will be provided on the front panel.
- 1.3.4 Measurement of D.C. Voltage:** - As against the normal practice of providing a single volt meter with selector switch there shall be provided 3 Nos. digital volt meters separately for Boost voltage, float voltage & load voltage.
- 1.3.5 Protection & Special Features:** - The charger shall incorporate the following features:-
- i) **Over voltage:** - If the load voltage exceeds the adjustable set value for over voltage the charger shall give an over voltage alarm.
  - ii) **Under voltage:** - If the load voltage falls below the adjustable set value the charger shall give an under voltage alarm.

- iii) **Earth leakage:-** In case of positive or negative terminal of the load getting earth the charger shall give an alarm.
- iv) **Single phasing:-** In case of single phasing in the AC supply whether for float or boost charger the charger shall give an alarm. The single phasing detector shall work on current principle and not on voltage.
- v) **Other protections: -** The charger shall be provided with over load, rectifier fuse failure alarm for float and boost charger as also fuse failure detector for filter capacitors.

It has been observed that the annunciation system circuitry getting faulty some times all the bulbs are glowing or the bell does not re-set even after giving the reset command. It is therefore necessary that the annunciation circuitry is of simple and robust design and an output link is to be provided at the front panel in series with the bell so that the ringing of the bell can be stopped by the operator.

**1.3.6 A.C. Circuit :-** The A.C. Circuit shall consist of input main switch, supply indication lamps input ammeter and volt meter with selector switches, control MCBs, contactors for float and boost chargers, single phasing preventer etc.

**1.3.7 Earth Leakage:-** There shall be an earth leakage ammeter +/- mA in addition to audible alarm for the earth leakage circuit.

**1.4 Float Charger:-** The float charger shall be designed to provide the Trickle charge current to the battery plus the load current. This will work on the principle of Constant Voltage out put of 121V for 110V batteries to maintain the Battery in a state of Trickle charged while supplying the station load. Float charger should have automatic as well as manual control through selector switch.

**1.4.1 The Thyristor control unit to be provided for Trickle charger unit should incorporate soft start feature.** The voltage should not shoot up when the supply of the charger is switched ON. Suitable filter circuits and devices must be incorporated to suppress all the characteristic harmonics in D.C. output also adequate surge suppressor shall be provided in the input AC supply to the charger.

**1.4.2 Range of Input Voltage: -** The float charger shall provide Direct current output from Zero to rated Amperes at the constant DC voltage for AC supply variation from 350V to 450V phase to phase. Beyond these limits the charger shall give alarm of under & over voltage.

**1.4.4 Out put Ammeter: -** The float charger shall be provided with an out put DC ammeter of range depending on a float out put current.

**1.4.5 Limits of Ripple Content: -** The ripple content shall be 1% or less of the out put voltage for the float charger.

**1.4.6** During float charging, the charger output voltage shall remain within  $\pm 1\%$  of the set value, for AC input voltage variation as specified and a DC load variation from zero to full load.

**1.5 Boost Charger: -** The boost charger shall be of simplest design consisting of :-

- 1) One main 3 ph. Auto Transformer of full rating 0 to 450V.
- 2) One 3 ph. Step down transformer 415V – 150V.
- 3) Three phase full wave rectifier.
- 4) Inductor coil of suitable current rating at least 120% of DC current rating of the charger.
- 5) 02 Nos. filter capacitors for pie circuit of voltage rating 450 Volts.
- 6) Indicating meter switches & fuses etc.
- 7) DC out put current meter.

- 1.5.1 Please note that no automatic control is to be designed for Boost Charger. This will be purely manual control through the 3 phase auto transformer.**
- 1.5.2 Limit of Ripple Content:** - The ripple content shall be 2% or less (peak) of the output voltage for the boost charger. The value of LC filter shall be chosen to attain this value.
- 1.5.3 Control of load voltage:** - The common system of 48 Cells to be used for supplying the load during boosting charging shall not be utilized. No DC contactor is needed. The control of load voltage at the time of boost charging shall be done by means of dropping diodes. A total of 20V drop is desired. The number of dropping diodes in the circuit shall be selectable by means of a rotary switch on a front panel. In one position of the switch all the diodes shall be by passed. Further the dropping diodes shall also be bypassed by means of an AC contactor having suitable DC current rating in case of either AC supply failure or boost charger off. Thus the dropping diodes shall come in to circuit only in case of boost charger in service and in this condition also they can be manually by passed by the operator if the load voltage does not exceed the desired limits.
- Battery charger shall have a constant voltage characteristic throughout the range (from zero to full load) at the floating value of the voltage so as to keep the battery fully charged but without harmful overcharge.
  - Suitable filter circuits shall be provided in all the chargers to limit the ripple content (peak to peak) in the output voltage to 1%, irrespective of the DC load level, when they are not connected to a battery.
  - **MCCB:-** Battery charger shall have 2 Nos MCCBs (15 KA short time current rating) on the input side to receive cables from two sources. Mechanical interlock should be provided such that only one shall be closed at a time. It shall be of P2 duty and suitable for continuous duty. MCCBs should have auxiliary contacts for annunciation.
  - **Rectifier transformer:-** The rectifier transformer shall be continuously rated, dry air cooled (AN) and of the class F insulation type. The rating of the rectifier transformer shall have 10% overload capacity.
  - **Rectifier assembly:-** The rectifier assembly shall be full wave half controlled bridge type and shall be designed to meet the duty as required by the respective charger. The rectifier shall be provided with heat sink having their own heat dissipation arrangements with natural air-cooling. Necessary surge protection devices and rectifier type fast acting HRC fuses shall be provided in each arm of the rectifier connections.
  - **Instruments:-** One AC voltmeter and one AC ammeter along with selector switches shall be provided for all chargers. One DC voltmeter and DC ammeter (with shunt) shall be provided for all chargers. The instruments shall be flush type, dust proof and moisture resistant. The instruments shall have easily accessible means for zero adjustment. The instrument shall be of 1.5 accuracy class
  - **Air break switches:-** One DC output switch shall be provided in all chargers. They shall be air break type suitable for 500 volts AC/250 DC. The contacts of the switches shall open and close with a snap action. The operating handle of the switch shall be fully insulated from circuit. 'ON' & 'OFF' position on the switch shall be clearly indicated. Rating of switches shall be suitable for their continuous load. Alternatively, MCCBs of 10 KA short time current rating shall also be acceptable in place of Air Break Switch.
  - **Fuses:-** Fuses shall be HRC Link type. Fuses shall be mounted on fuse carriers which are in turn mounted on fuse bases. Wherever it is not possible to mount fuses on carriers, fuses shall be directly mounted on plug-in type base. In such case one insulated fuse pulling handle shall be supplied for each charger. Fuse rating shall be chosen by the

bidder depending on the circuit requirement. All fuses in the chargers shall be monitored. Fuse failure annunciation shall be provided on the failure of any fuse.

- **Blocking diode:-** Blocking diode shall be provided in the positive pole of the output circuit of each charger to prevent current flow from the DC battery in to the charger.
- **Annunciation system:-** Audio-visual indications through bright LEDs shall be provided in all chargers for the following abnormalities:

a) AC power failure

Rectifier/chargers fuse blown

Over voltage across the battery when boost charging.

Abnormal voltage (high/Low)

Any other annunciation if required.

Potential free NO contacts of above abnormal conditions shall also be provided for common remote indication “charger trouble” in owner’s control Board. Indication for charger in float mode and boost mode through indication lamps shall be provided for chargers. A potential free contacts for float/boost mode shall be provided for external interlocks.

- **Name plate & marking:-** The name plates shall be white with black engraved letters. On top of each charger, on front as well as rear sides, larger and bold name plates shall be provide to identify the charger. Name plates with full and clear inscriptions shall also be provided on and inside of the panels for identification of the various equipments and case of operation and maintenance.
- **Charger construction:-** The charger shall be indoor, floor-mounted, self supporting sheet metal enclosed cubicle type. The contractor shall supply all necessary base frames, anchor bolts and hardware. The chargers shall be fabricated from 2.0mm cold rolled sheet steel and shall have folded type of construction. Removable gland plates for all cables and lugs for power cables shall be supplied by the contractor. The lugs for power cables shall be made of electrolytic copper with tin coat. Power cable sizes shall be advised to the contractor at a later date for provision of suitable lugs and drilling of gland plates. The charger shall be tropicalised and vermin proof. Ventilation louvers, if provided shall be backed with screens. All doors and covers shall be fitted with synthetic rubber gaskets. The chargers shall have hinged double leaf doors provided on front and on backside for adequate access to the charger’s internals. All the charger cubicle doors shall be properly earthed. The degree of protection of charger enclosure shall be at least IP-42 as per IS 13947 part-I.
- All indicating instruments, control switches and indicating lamps shall be mounted on the front side of the charger.
- On the top of the charger cabinet at the four corners, lifting hooks shall be provided.
- Battery charger cabinet shall be provided with two separate earthing terminals.
- Each charger shall be furnished completely wired up to power cable lugs and terminal blocks and ready for external connections. The control wiring shall be carried out with PVC insulated 1.5sqmm stranded copper wires. Control terminals shall be suitable for connecting two wires, with 2.5sqmm stranded copper conductors. All terminals shall be numbered for ease of connections and identification. Each wire shall bear a ferrule or tag on each end for identification. At least 20% spare terminals shall be provided for control circuits.
- The insulation of all circuits, except the low voltage electronic circuits shall withstand test voltage of 2 KV AC for one minute. An air clearance of at least 10mm shall be maintained throughout for such circuits, right up to the terminal lugs. Whenever this clearance is not available, the live parts shall be insulated or shrouded.

➤ **PRE-TREATMENT AND PAINTING PROCESS:**

Sheet steel fabricated members shall be subjected to pre-treatment process before painting and the process shall be carried out as under. Process can broadly be divided as “Metal Treatment” and “Painting”.

**METAL TREATMENT**

- i. **Degreasing:** This can be achieved either by immersing in hot alkaline degreasing bath or in hot tri chloroethylene solution. In case degreasing is done by alkaline bath rinse with cold water thoroughly.
- ii. **Pickling :-** This is to remove rust and metal scales. Immersing in diluted sulphuric acid (approximately 20%) at nearly unit scale and rust are totally removed.
- iii. Rinse it in cold water in two tanks to remove traces of acids.
- iv. Treat with phosphoric acid base neutraliser for removal of chlorine from the above acid pickling and again wash with running water.
- v. **Phosphating:-** 'Immerse in grenadine' zinc phosphate solution for about 20 minutes at 80 degree to 90 degree centigrade. The uniform phosphate coating 4 to 6 gms per sq.meter shall be achieved.
- vi. Swill in cold water
- vii. Rinse in Deolyte bath at 70 degree to 80 degree Centigrade to neutralise any traces of salts.
- viii. Seal the above phosphate coating with hot dilute chromate solution.
- ix. Dry with compressed air.

**PAINTING :-**

- i. **Primer:-** Spray one coat wet on wet specially developed 'High Luster' zinc chromate primer and stove at 150 degree Centigrade to 160 degree Centigrade for 25 to 30 minutes.  
Alternatively, Red-oxide primer with zinc chromate content may be used. However, former process is preferred.
- ii. **Rubbing and puttying:** Apply putty to fill up the scars, if any, to present smooth surface and stove 15 to 20 minutes. Apply putty several times to get the perfectly smooth finish.
- iii. **Surfacing :-** Sand down with mechanical abrasive and stove for 20 minutes.
- iv. Immediately spray second coat of primer as per (i) above or grey primer surfacer wet on wet and stove for 30 to 40 minutes at 125 degree centigrade.
- v. **Finish Paint:** Rub down dry and spray first coat of synthetic enamel finish paint wet on wet and stove for 30 minutes.
- vi. **Surfacing:** Sand down or rub dry to prepare for final finish and then spray two coats of synthetic enamel finish paint wet on wet and stove it at 150 degree for 30 minutes.

**Following shall be ensured:-**

- i. Necessary stiffeners may be welded between large cut outs to provide rigidity before painting process.
- ii. Painting process shall be done within 24 hours of completion of metal treatment
- iii. Small quantity of paint shall be supplied along with equipment for touching up at site.
- iv. Cold process or any other authoritative process which ensures equal or better quality than the process mentioned above shall also be acceptable.

Exterior surface colour finish shall be 'smoke grey' shade No. 692 as per IS-5 and the interior surface of the charger shall be painted with egg shell white.

While general constructional features have been described above, it is desired that Tenderers may adopt modern construction practices to ensure that the charger cabinet is

sturdy in construction with suitable ventilation arrangements duly meshed so that under all weather conditions the inside temperature does not exceed the prescribed limits.

- **Tests:-** Battery charger shall conform to all type tests as per relevant Indian standard. Performance test on the chargers as per specification shall also be carried out on each charger as per specification. Rectifier transformer shall conform to all type tests specified in IS:4540 and short circuit test as per IS:2026. Following type tests shall be carried out for compliance of specification requirements.
  - i) Voltage regulation test
  - ii) Load limiter characteristics test
  - iii) Efficiency tests
  - iv) High voltage tests
  - v) Temperature rise test
  - vi) Short circuit test at no load and full load at rated voltage for sustained short circuit
  - vii) Degree of protection test
  - viii) Measurement of ripple by oscilloscope
  - ix) Temperature compensation feature demonstration

**NOTE :- If the bidder does not have the short circuit type test certificate for rectifier transformer as per IS 2026, they may furnish an undertaking to this effect that short circuit type test certificate as per IS 2026 shall be submitted by them in the event of order. The test shall be carried out at bidders cost only. It may please be noted that undertaking shall be accepted for short circuit test only. Other type test certificates shall have to be submitted as per terms & conditions of the tender.**

#### **ROUTINE TESTS:**

Following tests shall be carried out on the battery chargers at the manufacturer's works before dispatch.

- (i) **AUTOMATIC VOLTAGE REGULATION AND LOAD TESTS:**  
This test is carried out on the Float charger. The load shall be increased gradually from zero to 100% and the DC output voltage and the power shall be measured. The ripple factor is also measured. Both the voltage and the ripple factor should be within the specified limits
- (ii) **BOOST CHARGER OUTPUT TEST.**
- (iii) **INSULATION TEST.**
- (iv) **ANNUNCIATION TEST.**
- (v) **TEMPERATURE RISE TEST:** Temperature rise test on both float charger and boost chargers shall be conducted. The temperature rise is to be measured on the following equipments (a) Diodes(b) SCRs (c) Transformers (d) Inductors (chokes) etc.,
  - **CALIBRATION TESTS:** Calibration tests on the indicating instruments i.e. Ammeters and Voltmeters.
  - During pre-delivery inspection, the type and routine test certificates of the following components shall be verified by CSPTCL's Inspector:-
    - i) Switches
    - ii) Relays/MCCBs
    - i) Instruments
    - ii) DC fuses
    - iii) SCR
    - iv) Diodes
    - v) Condensers
    - vi) Potentiometers

- vii) Semiconductor
- viii) Annunciator
- ix) Control wiring
- x) Push buttons and contactors

**1.5.4 Make & Rating of the components:-** It is necessary that the bidder adheres to the following makes & ratings for the components to be used in the battery charger :-

- 1) **3 Phase Auto Xmer for boost charger:** - This transformer shall be of full rating i.e. 0 to 415 Volts. **The make of the auto transformer shall be Automatic Electric rectifier house Bombay-31 only.** The current rating of the Auto Transformer shall be selected considering the DC out put and a factor of safety of 1.5. The design calculation shall be indicated in the Techno Commercial offer.
- 2) **Rectifiers for Float & Boost Chargers :-** These shall be of **Hirect. USHA, RIR** make only.
- 3) **Ammeter & Volt Meters :-** These shall be of **AE, MECO, Rishabh** make only.
- 4) **Selector Switches :-** These shall be **KAYCEE** make only. No switches below the rating of 16 Amp shall be provided except for the Volt Meter Selector switch for the AC voltage selection.
- 5) **Diodes :-**
  - a) All dropper diodes shall be of 1000 Volts 70 Amp rating each causing a voltage drop of around 1.5 Volts.  
All diodes for 110V battery charger shall be 1000V and current rating shall be selected with a factor of safety of 2.5.  
All diodes for 48 V battery charger shall be 600 V and current rating shall be selected with a factor of safety of 2.5.
- 6) **HRC Fuses :-** The HRC fuses shall be of **ALSTOM / Standard/S&S** make only.
- 7) **AC Contactors :-** The AC Contactors to be used in a charger shall be of **ABB / L&T/ Siemens/ TELEMECH** only. The AC current rating of the contactors shall be elected with a factor of safety of 1.5.
- 8) **MCBs :- MDS, Havells or Siemens.**
- 9) **Filter Capacitors :-** The voltage rating of filter capacitors shall not be less than 450 V for 48V and also for 110V chargers. The make shall be **Alcon / RESCON/ SFPL**. The capacity shall be selected to achieve the ripple content. There shall be at least two capacitors for the construction of pie circuits.
- 10) **Annunciator Relay :-** Mini lec, Allen Micro Control, JVS.

**1.5.5** The booster circuit should have dead short protection and two terminals for D.C. output should be brought out. The scheme shall consist of following :-

- a) Single phase step down transformer of suitable rating with current limiting,
- b) Full wave rectifier bridge with surge protection.
- c) MCB on any AC side and a HRC fuse on DC side.

**DRAWING & MANUALS :-** The successful bidder shall furnish 3 set of copies of drawings, instruction / operating manuals with each charger.

\*\*\*\*\*

**SCHEDULE-I**  
**SCHEDULE OF PRICE AND QUANTITY**

S. No.	Particular	Qty (in Nos)	Unit Ex-works price including packing & forwarding in Rs.	Unit Freight charges in Rs	GST on Ex works and Freight charges @ - ----%	Unit F.O.R. destn. price including GST, freight and other taxes (4+5+6) in Rs.
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6=(4+5)* GST %</b>	<b>7=(4+5+6)</b>
<b>1</b>	<b>Battery Chargers</b>					
<b>a</b>	48V/300AH	24				
<b>b</b>	48V/600AH	1				
<b>c</b>	110/300AH	6				
<b>d</b>	110V/600AH	7				
<b>e</b>	220V/600AH	4				

Note:-

- 1) The prices offered should be variable as per IEEMA formula with base indices as issued in IEEMA circular issue one month prior to due date of opening.

**Signature & Seal of Bidder**



**SCHEDULE – II**  
**GUARANTEED TECHNICAL PARTICULARS FOR BATTERY CHARGERS**

**(Note:-The supplier shall fill up separate sheets for 220V/600AH,110V 600AH,110V/300AH,48V/600AH ,48V/300AH, Battery chargers)**

Sl. No.	Particulars	FLOAT	BOOST
1.	Manufacturer's type/ design		
2.	Rated AC input voltage (3 ph-4w ,415V,50Hz +-3%, voltage variation 360-450 V)		
3.	Input AC current		
4	RATED DC OUTPUT		
	a. Voltage		
	b. Regulation		
	c. Ripple		
	d. Currents		
	e. System output Voltage		
5	<b>Main Transformer</b>		
	a. Type of connection (star/Delta)		
	b. Single/Double wound.(only double wound shall be acceptable)		
	c. KVA Rating		
	d. Method of cooling (Natural air)		
	e. Whether Taps are provided for primary volt. Selection (Yes/No)		
	f. Class of Insulation (F class)		
	g. Current Density in winding (max.1.5A/mm sq)		
	h. Temp rise above ambient 45 Deg. C (max. 40 dec)		
	i. Magnetizing Current at 415V (max.3% of full load)		
6.	Rating of the Main Auto transformer		
7.	Type of control (Constant Voltage)		
8.	Type and Rating of Smoothing Filter		
	a. Inductor		
	b. Capacitor		
9.	Voltage Regulation of Float / Boost		
	a. Inherent		
	b. With AVR		
10.	Ripple Content (1% P-P)		
11.	Efficiency at		

	a. Full Load (min.75%)		
	b. Half Load (min.60%)		
<b>12.</b>	Type, Make and Rating of Rectifier.		
	a. Current Rating		
	b. Peak Inverse Voltage		
	c. Inverse Voltage Surge		
<b>13.</b>	Battery Charger Cubicle		
	a. Thickness of Sheet (min.2mm)		
	b. Overall Size (W: H:D)		
	c. Total Weight (Kg)		
<b>14</b>	Details of Cables and Wires Used in the Charger		
<b>15</b>	Rating of Dropper Diodes. (min 70A/1000V)		

**Signature of Bidder**

**Name** :

**Designation** :

**Seal** :

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

Bidder 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.

Sl. 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 manufacturer, testing and inspection.**

Sl. No.	Description	Manufacturer	Place of manufacturer	Date of testing and inspection

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

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

Strike-off, whichever is not applicable

1.i)	Whether the tender document purchased from this office or downloaded?	Yes/No
ii)	If down loaded, whether tender cost furnished? Details of MICR DD for tender cost	Yes/No
iii)	Earnest Money details	
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) . 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. a	Rate of GST(goods and service tax)	
4.b	Whether you agree to clause regarding variation in the rates of GST	Yes /No
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 clause is acceptable to the bidder.	Yes /No
7.	LIQUIDATED DAMAGES CLAUSE Whether agreeable to CSPTCL's Penalty clause	Yes /No

8.	<b>GUARANTEE PERIOD :-</b> Whether agreed to CSPTCL's guarantee period of 30 months from supply	Yes /No
9.a	<b>SECURITY DEPOSIT</b> 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	Yes /No
9.b	<b>If not, indicate deviation specifically</b>	
10.	<b>EXTENSION ORDER:-</b> Whether you are agreeable to accept extension order for 50% of qty. of each size/type of material 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 five years (Enclose balance sheets in support)	
(a)	<b>2015-16</b>	
(b)	<b>2016-17</b>	
(c)	<b>2017-18</b>	
(d)	<b>2018-19</b>	
(e)	<b>2019-20</b>	
13.	Year of start of manufacture of offered equipment/ material.	
14.	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.	
15.	Whether C.A. audited <i>self attested copy</i> of net worth for the last three financial years is submitted.	
16	Whether submitted <i>self attested copy</i> attested copy of undertaking duly certified by CA stating that a) All interest payment obligations on outstanding debentures have been discharged and no such payment as on <b>31.06.2021</b> is/was outstanding / overdue. b) Company is presently not in default in repayment of bank loan and has not been taken up for CDR/SD.	Yes/ No
17	Whether submitted Pre – contract Integrity pact	Yes/ No

**Place:-**  
**Date**

**SIGNATURE OF BIDDER**  
**NAME IN FULL & COMPANY'S SEAL**

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

**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 and page no.	Stipulation in specification	Deviation offered	Remarks regarding justification on the deviation

Dated

Name and seal of the tendering  
Company.

Place

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

**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 and page No.	Stipulation in specification	Deviation offered	Remarks regarding justification on the deviations

Dated

Name and seal of the tendering  
Company.**NOTE: - Scanned copy of this schedule is to be uploaded in e-bidding portal:-**



**SCHEDULE-VII****GENERAL INFORMATION**

The bidder 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. Email ID
10. PF/ESIC Registration number

Date

Name & seal of the tendering company

\* \* \* \* \*

**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-IX****DETAILS OF FITTING & ACCESSORIES TO BE PROVIDED WITH EACH  
TYPE OF STATION BATTERY SETS**

S.No.	Particular	Qty	Rating	Make

Date

Name &amp; seal of the tendering company

\* \* \* \* \*

**Annexure-II****Indian Electrical & Electronics Manufacturers' Association**501, Kakad Chambers, 132, Dr. A. Besant Road, Worli, Mumbai 400 018, India.  
Tel: +91 (0) 22 493 6528, 493 6529. Fax: +91 (0) 22 493 2705. E-Mail: mumbai@ieema.org  
website: <http://www.ieema.org>**Cir. No. 203/DIV/SWG/05****24<sup>th</sup> June 2002**

To All members of Switchgear Division (Battery Charger mailing list)  
Members on Charge PVC mailing list for Battery Charger  
SEBs and listed purchasing organizations

**Sub : Re-issue of basic prices/indices circulars for Battery Charger Equipment**

IEEMA has been facing difficulties in receiving prices for steel on regular basis. Price circulars for Battery Charger Equipment were held up since January 2002 due to same difficulties.

It was necessary to evolve permanent, rational solution uniform applicable to all products wherever steel prices are used. After discussing with different product divisions and the approval of Executive Council; IEEMA is pleased to inform all users and manufacturers the following solution to resolve this problem.

1. Replace steel prices with wholesale price index of 'Iron and Steel (base: 1993-94=100)' since it has been observed over a period that the trend of this index is in line with market conditions.
2. Issue Revision 1 to existing price variation clauses of 'Battery Charger Equipment' incorporating wholesale price index of 'Iron and Steel (base: 1993-94=100)' in place of respective steel prices.
3. Publish fresh basic prices/indices circulars from June 2000.

Accordingly; we are enclosing herewith following documents for your reference perusal.

A. Révision 1 price variation clauses listed as under:

- IEEMA(PVC)/BTR-CHRG/2001 (R-1) Effective from 1<sup>st</sup> January 2002

B. Applicable basic prices/indices circulars to the above price variation clauses for the period June 2000 to December 2000, January 2001 to December 2001 and January 2002 to June 2002 vide reference as under:

- IEEMA(PVC) BTR (R)/JUNE – DECEMBER/2000 dated 24.06.2002
- IEEMA(PVC) BTR (R)/CONSOLIDATED/2001 dated 24.06.2002
- IEEMA(PVC) BTR (R)/JANUARY - JUNE/2002 dated 24.06.2002

Page : 01/02

50 years in the service of the industry

Our guidelines for application of these new indices/PV clauses is as under:

I. **Pending Orders for execution**

A. **Orders booked prior to June 2000**

- ◆ Use applicable price variation clause of Battery Charger Equipment (effective from 1<sup>st</sup> July, 1994) and applicable prices/indices to this clause to calculate price 'P' from quoted base date up to June 2000
- ◆ Treat above calculated 'P' as 'P<sub>0</sub>' and calculate final price variation from June 2000 up to your actual date of delivery using applicable price variation clause from above list under reference A and applicable prices and indices from above list under reference B

B. **For Orders booked/quoted after June 2000 (Partly or fully)**

- ◆ Consider base indices for a month given in enclosed circulars listed under reference B
- ◆ Calculate price variation using revised PV clauses enclosed; listed under reference A
- ❖ Do not use this procedure for settled claims.

II. **Orders booked but not finalized**

- Replace applicable PV clause of Battery Charger Equipment with enclosed revised PV clause listed under reference A and replace respective base prices and indices for revised PV clause listed under reference B.

III. **For New Tenders**

- Incorporate revised PV clauses in all future tenders.

Similar circulars are being issued for all other products, which were affected due to above-mentioned problem.



**Assistant Secretary General**

Encl: PV clauses as per reference A and applicable circulars as per reference B



### Indian Electrical & Electronics Manufacturers' Association

501, Kakad Chambers, 132, Dr. Annie Besant Road, Worli, Mumbai 400 018.

Tel: +91 (0) 22 493 6528, 493 6529 • Fax: +91 (0) 22 493 2705.

E-Mail: mumbai@ieema.org • website: <http://www.ieema.org>

IEEMA/PVC/BTR-CHRG/2001 (R-1)

Effective from : 1<sup>st</sup> January, 2002

#### PRICE VARIATION CLAUSE FOR BATTERY CHARGER EQUIPMENT

The price quoted/confirmed is based on the input cost of raw material and labour cost as on the date of quotation and the same is deemed to be related to the index number for Battery Charger Equipment 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 index numbers, the price payable shall be subject to adjustment up or down in accordance with the following formula:

$$P = \frac{P_0}{100} \left( 20 + 50 \frac{IN-BTR-CHRG}{IN_0-BTR-CHRG} + 30 \frac{W}{W_0} \right)$$

Wherein,

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

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

IN<sub>0</sub>-BTR-CHRG =

Index number for battery charger equipment based on relative prices and weightages (as given in brackets) of C.C. copper rods (30), electrical steel laminations (10) and wholesale price index of 'Iron and Steel' (10), calculated considering their values as on 1st June 2000 as base equal to 100 (refer notes).

This index number is as applicable on the first 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 1982 = 100).

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

For example, if the date of tendering falls in May 2001 the applicable index number for battery charger equipment (IN<sub>0</sub>-BTR-CHRG) should be that prevailing as on 1st April 2001 and the applicable all India average consumer price index number (W<sub>0</sub>) should be for the month of January 2001.

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

IN - BTR CHRG =

Index number for battery charger equipment based on relative prices and weightages (as given in the brackets) C.C. copper rods (30) electrical steel laminations (10) and wholesale price index of 'Iron and Steel' (10), Calculated considering their values as on 1st June 2000 as base equal to 100 (refer notes).

This index number is as applicable on the first working day of the month, one month prior to the date of delivery.

W = All India average consumer price index number for industrial workers (base 1982 = 100) as published by Labour Bureau, Ministry of Labour, Govt. of India.

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

IEEMA/PVC/BTR-CHRG/1/2

Indian Electrical &amp; Electronics Manufacturers' Association

Continuation Sheet No.1

IEEMA/PVC/BTR-CHRG/2001 (R-1)

Effective from : 1<sup>st</sup> January, 2002

For example, if the date of delivery in terms of clause given below falls in December 2001, the applicable index number for battery charger equipment (IN-BTR-CHRG) should be that as published by IEEMA as prevailing on 1st November 2001 and the applicable all India average consumer price index number (W) should be for the month of August 2001.

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

Notes : (a) All prices of raw materials considered for arriving at the index number for battery charger equipment are exclusive of modvatable excise duty and exclusive of any other central, state or local taxes, octroi etc.

(b) All prices are as on 1st working day of the calendar month.

(c) The details of the prices considered for index number for battery charger equipments are as under:

- 1) The price of C.C. copper rod (in Rs/MT) is the ex-works price of a primary producer of copper.
- 2) The price of laminations (in Rs/kg) is the average of the ex-works price as quoted by the two manufacturers for CRGO plain strip transformer lamination with an area between 301 and 1000 sq. cm produced from M4 Grade (41) steel, fully processed and stress-relief annealed.
- 3) The wholesale price index number for 'Iron and 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 is being published weekly on provisional basis. However, the same gets finalised after eight weeks and is normally available after two months. Therefore, we are considering in our calculations this final index published by Economic Advisor for the first Saturday of the months two months prior to the date of which the prices of other raw materials are considered.

For example, for calculating index number for battery charger equipment on first day of the month of October, the basic prices of copper rods, electrical steel lamination are to be considered as on first working day of October and the wholesale price index number for 'Iron and Steel' is to be considered as published by Economic Advisor for the first week ending Saturday of the month of August.

For Indian Electrical & Electronics Manufacturers' Association



Authorised Signatory

IEEMA/PVC/BTR-CHRG/2/2

**Annexure -II****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**

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:-

- 2.1. 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
- 2.2. 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 of 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 favor of.....

(ii) A confirmed guarantee by an Indian Nationalized 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 are 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 turns out to be invalid; the remainder 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

BIDDER

Name of Officer  
Destination Department/PSU

CHIEF EXECUTIVE OFFICER

Witness

Witness

- 1).....
- 2).....

- 1).....
- 2).....

**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