

## Punjab Tenders

### eProcurement System Government of Punjab

#### Tender Details

Date : 23-Feb-2024 12:46 PM

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Basic Details			
<b>Organisation Chain</b>	Department of Power  Punjab State Transmission Corporation Limited  AO/Grid Construction Circle - Ludhlana		
<b>Tender Reference Number</b>	Patiala Tender 08/2023-24		
<b>Tender ID</b>	2024_POWER_118323_1	<b>Withdrawal Allowed</b>	Yes
<b>Tender Type</b>	Open Tender	<b>Form of contract</b>	Tender cum Auction
<b>Tender Category</b>	Works	<b>No. of Covers</b>	3
<b>General Technical Evaluation Allowed</b>	No	<b>ItemWise Technical Evaluation Allowed</b>	Yes
<b>Payment Mode</b>	Online	<b>Is Multi Currency Allowed For BOQ</b>	No
<b>Is Multi Currency Allowed For Fee</b>	No	<b>Allow Two Stage Bidding</b>	No

Payment Instruments		
<b>Online Bankers</b>	<b>S.No</b>	<b>Bank Name</b>
	1	SBI Bank

Cover Details, No. Of Covers - 3			
Cover No	Cover	Document Type	Description
1	Fee	.pdf	Submit Fee/Exemption Documents
2	PreQual/Technical	.pdf	PreQual/Technical
3	Finance	.xls	Detailed BOQ

Tender Fee Details, [Total Fee in ₹ * - 5,900]			
<b>Tender Fee in ₹</b>	0.00	<b>Processing Fee in ₹</b>	5,900
<b>Fee Payable To</b>	Nil	<b>Fee Payable At</b>	Nil
<b>Tender Fee Exemption Allowed</b>	No		

EMD Fee Details			
<b>EMD Amount in ₹</b>	1,11,000	<b>EMD Exemption Allowed</b>	Yes
<b>EMD Fee Type</b>	fixed	<b>EMD Percentage</b>	NA
<b>EMD Payable To</b>	Nil	<b>EMD Payable At</b>	Nil

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Work /Item(s)					
<b>Title</b>	Erection of Tower Material and Tower Structures, Beams, Busbars for various 200/132 KV Substations.				
<b>Work Description</b>	Erection of Tower Material and Tower Structures, Beams, Busbars for various 200/132 KV Substations.				
<b>Pre Qualification Details</b>	As per tender Documents				
<b>Independent External Monitor/Remarks</b>	NA				
<b>Tender Stage to disclose bid details to other bidders/public domain</b>	No				
<b>Tender Value in ₹</b>	55,43,787	<b>Product Category</b>	Electrical Works	<b>Sub category</b>	NA
<b>Contract Type</b>	Tender	<b>Bid Validity(Days)</b>	120	<b>Period Of Work(Days)</b>	698

<b>Location</b>	Patlala	<b>Pincode</b>	147001	<b>Pre Bid Meeting Place</b>	NA
<b>Pre Bid Meeting Address</b>	Punjab Tenders	<b>Pre Bid Meeting Date</b>	NA	<b>Bid Opening Place</b>	Patlala
<b>Should Allow NDA Tender</b>	No	<b>Allow Preferential Bidder</b>	No		

<b>Critical Dates</b>			
<b>Publish Date</b>	23-Feb-2024 01:00 PM	<b>Bid Opening Date</b>	11-Mar-2024 02:00 PM
<b>Document Download / Sale Start Date</b>	23-Feb-2024 02:05 PM	<b>Document Download / Sale End Date</b>	09-Mar-2024 05:00 PM
<b>Clarification Start Date</b>	NA	<b>Clarification End Date</b>	NA
<b>Bid Submission Start Date</b>	23-Feb-2024 05:00 PM	<b>Bid Submission End Date</b>	09-Mar-2024 05:00 PM

<b>Tender Documents</b>					
<b>NIT Document</b>	<b>S.No</b>	<b>Document Name</b>	<b>Description</b>	<b>Document Size (in KB)</b>	
	1	Tendernotice_1.pdf	DNIT	2602.04	
<b>Work Item Documents</b>	<b>S.No</b>	<b>Document Type</b>	<b>Document Name</b>	<b>Description</b>	<b>Document Size (in KB)</b>
	1	Tender Documents	DetailedDNIT.pdf	DetailedDNIT	2543.29
	2	BOQ	BOQ_241877.xls	BOQ	233.50
	3	Additional Documents	DetailedBOQ.xls	DetailedBOQ	66.00

<b>Bid Openers List</b>			
<b>S.No</b>	<b>Bid Opener Login Id</b>	<b>Bid Opener Name</b>	<b>Certificate Name</b>
1.	aocivilcircle-pta@pstcl.org	HIMANSHU GUPTA	Himanshu Gupta
2.	shellendersingh@gmail.com	SHELLENDER SINGH	SHELLENDER SINGH
3.	amandhiman02@gmail.com	Amandeep Singh Dhiman	AMANDEEP SINGH

<b>Tender Properties</b>			
<b>Auto Tendering Process allowed</b>	No	<b>Show Technical bid status</b>	Yes
<b>Show Finance bid status</b>	Yes	<b>Show Bid Details in Public Domain stage</b>	Financial Evaluation
<b>BoQ Comparative Chart model</b>	Normal	<b>BoQ Comparative chart decimal places</b>	2
<b>BoQ Comparative Chart Rank Type</b>	L	<b>Form Based BoQ</b>	No
<b>Adopt Tender Cum Auction New Process</b>	No		
<b>Bidders Elimination Process Required</b>	Yes	<b>Allow Preferential Bidder Elimination Process Required</b>	No
<b>Minimum Bidder for Elimination</b>	4	<b>Number of Bidder to Eliminate</b>	1

<b>Tender Inviting Authority</b>	
<b>Name</b>	Sr XEN/Grid Construction, Patlala
<b>Address</b>	Sr XEN/Grid Construction, Ablowal, Patlala

<b>Tender Creator Details</b>

Created By	Amandeep Singh Dhlman
Designation	Punjab Sr. KEN
Created Date	Tenders 20/10/2024 12:28 PM

## DNIT

- Tenders are invited for erection of Tower Material/Tower Structure, Beam and Bus Bar sections at various 220/132KV Sub-Stations of PSTCL under the jurisdiction of Grid Construction Division Patiala. The scope of work shall include the erection and double earthing of all structure erected with the mesh and erection of screening wires, shield wires and fixation of peaks wherever required. One complete set stringing of 03 phase of conductor Single, Twin and Quadra along with relating/associated jumpers. The material shall be provided by PSTCL at work/camp site and the work shall be carried out by the contractor. However where ever dismantment work is involved, costing of same will be fifty percent cost of the similar work/item involved during erection work carried out by contractor. Contractor will be responsible for the safe dismantment of item to be re-used on same or different location.
- In view of above, the following major provisions for entering into Open E-Tender are proposed:-  
The scope of work shall include erection of Tower Material/Tower Structure, Beam and Bus-Bar at various 220/132kV Sub-Stations of PSTCL.

Either the contractor should be empanelled for carrying out works of Grid Const. wing as Class A contractor (for year 2023-24) in PSTCL by the competent authority before opening date of tender.

**OR**

Pre-qualification conditions for outsourcing of labour component for carrying out works would be as below:-

1. Contractor/Firm shall submit documentary proof for having respective Class Contractor (Electrical Certificate) issued by competent authority under Indian Electricity Rule 1956 Clause-45, for carrying out such type of jobs.
2. Contractor/Firm will supply the copy of EPF Registration, Labour License/exemption certificate from labour department wherever required.
3. Contractor/Firm must have PAN No. and GST No. (Attested copy must be submitted both).
4. Contractor/Firm should have Technical Experience & financial soundness, in which T&P detail, list of Manpower, solvency certificate from the bank (Minimum 10 Lacs), Income Tax return last 3 years be attached.
5. Contractor/Firm shall supply the Experience certificate to the successful execution of works related to electrical Installation any of 66kV and above capacity.
6. This registration does not mean in any way that the contractor/firm is automatically qualified for issue of tender documents for issue of tender document other condition job of NIT has to be final.





7. The contractor will also comply with the provisions of service tax act (Undertaking to be given).
8. Contractor/Firm who are blacklisted or with whom business dealing are suspended by PSTCL/PSPCL & other organisations cannot participate in this tender. If same is not disclosed at time of registration then the registration will be cancelled without any notice.
9. Contractor/Firm will provide annual financial turnover certificate for last four years.

**GENERAL TERMS AND CONDITIONS regarding TENDERING & CONTRACT AGREEMENT** for the above mentioned DNIT is as follows-

**1.01 SUBMISSION OF TENDERS**

1. The following instructions must be carefully observed by all tenderers. Quotations/ tenders not strictly in accordance with these instructions will be liable to be rejected.
  - i) The tender must be complete in all respects. The following points should carefully be studied in order to ensure uploading/submission of a complete and comprehensive tender. Failure to comply with any of these instructions or to offer brief explanation for non-compliance is likely to render effective comparison of the tender as a whole impossible and may lead to rejection of an otherwise competitively lowest offer.
  - ii) Telegraphic quotations will not be accepted.
  - iii) The tenders shall be uploaded/submitted in three parts i.e. Part-I, Part-II & Part-III. The following procedure will be adopted for the opening of tenders.
    - a) **Part-I-Earnest Money:** The first part will, consist of earnest money to be deposited as per terms and conditions of the NIT through online mode only to E-procure website/ agency.
    - b) **Part-II-Technical/Commercial bids:** The second part will consist of technical specification schedule of deliveries & all other terms and conditions except the rates.  
All commercial terms i.e. GST etc. are to be specified in the Part-II i.e. technical and commercial part of the bid. Price bid components of their bid should only contain prices so that there is no controversy regarding interpretation of any condition/stipulation at the time of preparation of merit statement after opening the price bid.
    - c) **Part-III- Price Bids:** The third part will consist of the rates quoted as well as other related terms like freight, insurance, GST etc. and other incidental charges relevant to the price.  
If the EMD/PEMD is found to be as per the requirement of the specifications, only then the tender i.e. Part-II shall be opened. The bids without earnest money shall be out rightly rejected.  
After opening that Part-II of the bids (technical/commercial), the bids will be technically &



commercially evaluated by PSTCL and (Price bid) shall be opened in case of only those firms whose Part-I and Part-II of the bids after evaluation is found to be conforming to the specifications.

2. The officer inviting tenders, contracting/purchasing agency/PSTCL (here-in-after referred to as Purchaser) reserve the right to modify the schedule of requirement, technical particulars and the specifications at any time and to place the order as a whole or in parts and to reject any or all the tenders received without assigning reasons. He will not be responsible for and will not pay for expenses or losses that may be incurred by the tenderer in the preparation of the tenders.
3. Quotations/Tenders shall be uploaded on given website up to specified hours of the due date given in the tender notice and shall be opened immediately thereafter in the presence of tenderers or their agents who may like to be present.
4. In case the due date of opening tenders happens to be a holiday, tenders shall be opened at the same time on the next working day.

#### **1.02 TENDERS TO BE INVALIDATED**

The tenders must be complete in all respects. Conditional, incomplete or not properly sealed tenders and tenders received late due to any reason whatsoever will be rejected.

#### **1.03 SIGNING OF THE TENDERS**

Tenders shall be signed by the owner or person holding power of attorney by him to do so. Necessary documents in support thereof should be enclosed with bid at the time of submission, failing which tenders may not be considered.

#### **1.04 EARNEST MONEY**

- i) EMD shall be NIL for tenders valuing less than Rs.50,000/- and 2% of the tender value rounded off to a multiple of Rs.10 on the higher side for tenders valuing more than Rs.50,000/-, maximum EMD of Rs.5 Lakh.
- ii) In case of tenders not accepted, the Earnest Money shall be refunded within 30 days of the award of order/contract to the unsuccessful tenderer or after expiry of additional period whichever is later.
- iii) Tenders without Earnest Money shall not be entertained/ opened.
- iv) The earnest money of successful bidder will be converted/ adjusted as security and remaining amount of security will be deducted from the running bills of the contractor.
- v) Minimum EMD to be deposited by the firm shall be Rs. 1,11,000/-.
- vi) EMD is exempted to the firms to whom exemption is applicable only as per rules and regulations of PSTCL.



### **1.05 COMPLETION SCHEDULE**

- i) The Contractor/firm will be given maximum allowed period of 07 days for arranging/ mobilization of manpower & shifting of T&P at site, from date of intimation by concerned Grid Const. Division/ Sub-Division office via Email/ WhatsApp to contractor regarding readiness of civil foundation and availability of material at site
- ii) Contractor will be entitled for the 01 day each for shifting his labour and T&P from one site to another in case of change of work site.
- iii) Contractor shall have maximum allowed period of 698 days for completion of all works under this tender.

### **1.06 ALL CUTTING/CORRECTIONS TO BE INITIALLED**

Each page of the tender document including the schedule of quantity and bid drawings be signed and dated by tenderer in ink as a token of his having examined the same. Any correction in the rates quoted in the schedule of quantities shall also be signed with date by tenderer before submitting the tender. All corrections and additions or pasted slips should be initialled by the contractor. Non-compliance with these conditions will make the tender liable to rejection.

### **1.07 RIGHT TO REJECT ALL OR ANY TENDER**

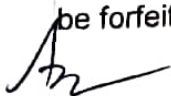
- i) The officer inviting Tenders/contracting agency/PSTCL reserves the right to reject any or all the tenders/without assigning reasons. He will not be responsible for and will not pay any expenses or losses that may be incurred by tenderer in preparation of the tender.
- ii) The officer inviting Tenders/contracting agency/ PSTCL reserves the right to increase/decrease the volume of work as per prevailing site conditions.

### **1.08 VALIDITY OF TENDERS**

The tenders as submitted should be valid for acceptance for at least 120 days from the date of opening of tenders, unless specified otherwise.

### **1.09 SIGNING OF CONTRACT**

In the event of tender being accepted an intimation shall be given to the contractor, who shall thereupon attend office of Accepting officer to sign copies of the specification and other documents and to execute the contract agreement within specified dates of issues of such intimation failing which acceptance of his tender shall be cancelled and his earnest money will be forfeited. No Payment will be released unless the agreement has been signed.





## 1.10 OPENING OF TENDER & SIGNING OF CONTRACT

The Competent authority will open tenders on due date, time & place in the presence of any or all the tenderers or their authorized representative on the production of letter of authority, who may like to be present at the time of opening of the tender and they will append their signatures in the tender register in token of their presence.

## 1.11 GOODS AND SERVICE TAX

PSTCL is registered centrally in the state under GSTIN 03AAFCP4714J1ZK.

- 1) GST, as applicable, will be paid as per prevailing provisions of GST Act & Laws against submission of documentary proof at rate(s) prevailing during the contracted delivery period on the basis of actual. The following certificates shall have to be furnished along with invoice – cum- gate pass duly signed by the authorized agent /signatory. The first invoice should accompany the specimen signatures of the authorized signatory duly attested by the Managing Director of the factory with a copy of orders regarding his appointment as authorized signatory.
- 2) Certified that the transaction on which the GST is claimed has been/shall be included in the return submitted / to be submitted to the GST Authorities and the amount claimed from the Punjab State Transmission Corporation Ltd. has been / shall be paid to the GST Authorities.
- 3) Certified that the goods on which GST has been charged have not been exempted under GST Act or rule made there under and that the GST charged on these goods is not more than what is payable under the provisions of relevant act.
- 4) Certified that we shall indemnify the Punjab State Transmission Corporation Ltd. in case, it is found, at a later stage that wrong or incorrect payment had been received on account of GST; the same will be refunded.
- 5) Certified that we are registered dealer under the GST Act and our Registration No. is \_\_\_\_\_
  - i) In case the GST is applicable and is required to be paid extra as referred to Para-(i) above, the tenderer should clearly indicate HSN code of item along with present rate (in percentage) applicable to their company.
  - ii) The maximum rate (in percentage) up-to which the GST may become leviable/ payable under the prevailing Rules & Regulations applicable to their company, should also be clearly indicated in their tender.
  - iii) In case the GST is applicable /payable, necessary certificate of GST claimed / GST Gate Pass duly authenticated by the authorized representative of GST Authorities, shall however, be furnished by the supplier along with each consignment. The supplier should, therefore,





clearly indicate in their tender that whether such GST Gate Passes/Certificates shall be furnished by them or not.

**NOTE:** The firms indicating nil or concessional rate of GST in their tenders (if any) will have to absorb GST up to the full rate applicable at the time of tendering.

- iv) FURTHER any loss due to non-availability of ITC or levy of penalty/ interest payable by PST CL on account of non-filing of return or non-compliance or any miss-statement given under the provisions of GST ACT by the firms shall be recoverable from them.
- v) Further GST at applicable rates on principal supply shall be payable on Freight and Insurance.

### 1.12 TERMS OF PAYMENT

- i) 100% payment within 45 days after successful completion of the job after certification by the concerned AEE/Grid Const. S/D PSTCL and concerned Sr XEN/Grid Construction Division PSTCL.
- ii) Contractor will be entitled for claiming the payment in running bills subject to condition that the bill will be raised for complete work at each site/ sub-station and concerned PSTCL officer will certify the same on bills.

### 1.13 PENALTY

- i) If the contractor fails to complete the work within the stipulated period of the Contract, Penalty for delay beyond the Completion Period/ Extension Period on the part of Contractor/firm shall be 10% for delay beyond 30days of the date of intimation to contractor regarding readiness of civil foundation and availability of material at site.
- ii) If there is further delay beyond 45days of the date of intimation to contractor regarding readiness of civil foundation and availability of material at site, then this office reserves the right to cancel the work order of such contractor/ firm.

### 1.14 FORCE MAJEURE

During the pendency of the Contract/Allotment Order, if the performance in whole/part by either party or any obligation there under, is prevented/delayed by causes arising out of any war, hostility, civil commotion, acts of public enemy, sabotage fire, floods, explosions, epidemics or non-availability of Government controlled raw material under Orders/Instructions of Central/State Government regulations, strikes, lockouts, embargo, act of Civil/Military Authorities of any other causes beyond their reasonable control, neither of the two parties shall be made liable for loss or damages due to delay or failure to perform the contract during the currency of Force Majeure conditions, provided that the happening is notified in writing (with documentary proof) within 30days from the date of the occurrence.



## 1.15 RATES

The rates allowed shall be strictly as per schedule of Estimated Price attached at BOQ. Contractor shall fill the rates, GST @ rate and total price in the BOQ performa.

### 1.15 a -- Quantities

The quantities are the tentative quantities may increase or decrease as per actual scope of work at site

### 1.16 D.D.O.

Payment shall be made by AO, Grid Const. Circle, PSTCL, Ludhiana. The copies of bill shall be sent directly to the respective Grid Const. Division/Sub-division office.

### 1.17 CANCELLATION

The Purchaser reserves the right to cancel/ amend or alter this order without assigning any reason what so ever at any time before the receipt of material.

### 1.18 CHANGES

No variation or modification whatsoever of any of the terms and provisions shall be valid unless mutually agreed upon in writing by both the parties i.e. PSTCL and contractor.

1.19 TENDERERS will have to comply with all the rules and regulations under Factory Act, Labour Laws, Industrial dispute act, EPF act, Bonus Act and retrenchment compensation etc.

### 1.20 CIVIL SUIT/JURISDICTION

All legal & Arbitration proceedings in connection with the Allotment Order/Contract shall be subject to the territorial jurisdiction of the Local Civil Courts of the respective Grid Const. Divisions under this Circle in whose jurisdiction transportation is being carried out are situated.

### 1.21 REVERSE AUCTION (RA)

- In case the no. of bidders are more than 3, the H1 (Highest) bidder shall not be eligible to participate in further process of the tender and his tender shall be rejected.
- All the Bidders shall be assigned a unique user name and password by e-tendering agency of PSTCL. Bidders are advised to change the password after the receipt of initial password from PSTCL to ensure confidentiality. All bids made from Login IDs assigned to bidders shall be deemed to have been made by bidders/bidders' company/ bidders' authorized representatives.



- Bidders shall be required to submit their acceptance to the stipulated terms and conditions before participating in the R.A.
- Online Reverse Auction shall be conducted by PSTCL on pre-specified date and time for duration of 01Hour. The bidders may quote the bids from their own offices /place of their choice. Internet connectivity is to be ensured by bidders themselves.
- All bidders are required to submit their price bid along with submission of Techno-commercial bid as per schedule. Only those bidders who submit their original bids within the scheduled time and who are considered technically and commercially eligible shall be eligible to participate in RA process.
- The 'Opening Price' i.e. start price for RA shall be decided by PSTCL. Bid Decrement shall be 0.1% of L-1 Bid Price obtained against a particular tender enquiry upon the opening of Price Bid of tender.
- The maximum limit for reducing prices during reverse auction process shall be 40% of received L-1 FOR destination rate in original price bid.
- Bidders shall be able to view the following on their screen along with the necessary fields during Online Reverse Auction:-
  - a) Start Price
  - b) Decrement Value
  - c) Current Bid value of the Bidder (Total Bid Price)
  - d) Best bid in the Auction (Current L1 price)
  - e) Next Valid Bid (Total Bid Prices to be quoted in order to become L1)
  - f) Minimum Bid Price (Bidder to enter his minimum Bid Price here)
- Bidder may become 'L1 Bidder' by offering a price equal to or lower than the Next Valid Bid (i.e. current L-1 price minus decrement) and this shall continue as an iterative process.
- **AUCTION EXTENSION TIME** : If a valid bid is placed within 5 minutes of End Time of the RA, then Reverse Auction duration shall get automatically extended for another 5 minutes from the existing end 19 time. It may be noted that the auto extension will take place if a valid Bid comes in those last five minutes. If a bid does not get accepted as the lowest Bid, the auto-extension will not take place even if the bid might have come in last five minutes. The above process shall continue till no valid bid is received in last 5 minutes which shall mark the completion of reverse auction. The bidders are advised not to wait till the last moment to enter their bid so as to avoid complications related to internet connectivity, network problems, system crash down, Power failure etc. No request for extension in time period of RA due to any of the above reasons shall be entertained by PSTCL.





- If no bid is received within the specified time duration of the online RA, then PSTCL shall reserve the rights to scrap the online RA process and proceed with the L-1 Bid Price received through e-tendering for further processing.
- After completion of online Reverse Auction, the Closing Price (CP) shall be considered as L1 rate for further processing including negotiations (if required). Based on the final price quoted by bidders, the successful bidders shall be required to submit summary of Final Price in prescribed format (Summary of Final Price-Reverse auction, Uploaded by PSTCL in Excel Sheet) within 2 working days of conclusion of the RA. In case a bidder fails to submit the above Summary, then it may lead to cancellation of bid and call for action against the bidder which may include forfeiture of EMD/PEMD and suspension of business dealings etc. The final break up of prices will be given in a manner that all quoted prices shall be reduced proportionately by the same percentage and not arbitrarily.

**1.21 a** – For all other terms and conditions not specially mentioned in NIT , the work / financial / purchase regulations of PSTCL (amended from time to time) shall prevail to be considered.

## **1.22 SECURITY DEPOSIT**

The Earnest money deposited at the time of successful tenderer shall be converted into Security Deposit. The remaining Security Deposit will be deducted from the running bills of the contractor. No interest shall be payable to the contractors on the amount of security deposit.

## **1.23 DISMANTLEMENT**

- Where ever distmantlment work is involved, costing of same will be fifty percent cost of the similar work/item involved during erection work carried out by contrator. Contrator will be resposible for the safe dismantlment of item to be re-used on same or different location.
- Where ever single conductor bus-bar is to be converted to twin/quad conductor bus-bar, dismantlement of single conductor bus-bar will be allowed and erection of respective bus-bar will be allowed however wherever the existing twin conductor bus-bar is to be converted to quad conductor bus-bar no dismantlement will be allowed and only erection of additional twin conductor bus-bar erection will be allowed.
- However in case existing twin conductor bus-bar conductor which is to be augmented is in dilapidated condition in that case it can only be replaced by preparing MOM between concerned XEN/Grid Const, XEN/P&M and XEN/Protection subject to satisfying other conditions of the work order. For every other dismantlement MOM between concerned AEE Grid Const. and concerned SSE P&M will be prepared. Specifying exact quantity of each item of total material dismantled.



#### **1.24 Transportation of Material**

PSTCL will transport the material at site as per completeness of civil works at site and as per availability of materials in store. However, it will be the responsibility of the contractor for tallying the completeness of material that is being lifted from stores and being transported at site.

**NOTE:** Contractor should have satisfactory executed similar work of erection of Tower Structures, Beams and Bus-Bar as mentioned in the DNIT. The contractor should have service tax, PAN No, Income Tax No, EPF No. etc.

A handwritten signature in black ink, appearing to be 'Anand', with a long horizontal line extending to the right.

## OTHER IMPORTANT CONDITIONS OF TENDER

1. The responsibility and liability of all the material upto its cost shall be of contractor only when material is handed over to contractor by PSTCL. The contractor shall have total responsibility for all equipment and material in his custody/store, semi-assembled and/or erected by him at site. The contractor shall make suitable security arrangements to ensure the protection of all material equipment and works from theft, fire, pilferage and any other damages and loss. All material of the contractor shall enter and leave the project site only with the permission of the *Er.-in-charge*. Under the contract, the contractor shall be responsible for loss or damage to the material, equipment, Substation etc. until the successful completion of commissioning as defined elsewhere in the bid documents. In any case of damage, the contractor shall be responsible.
2. *The contractor shall submit schedule of shut downs (if any) to Er.-in-charge by atleast 03 days in advance. If any delay occurs in approval of shutdowns that period of delay shall be excluded while calculating the total time taken by the contractor for completion of work.*

### 3. FACILITIES TO BE PROVIDED BY THE CONTRACTOR

- i. Power supply for cutters, welding machines, drilling holes, erection of Substation material/ equipment etc. and for any other allied auxiliary will be arranged by the bidder from any of the nearby electricity utility office at bidders cost. However in addition the bidder should maintain alternative source of power by DG set to meet out continuous power supply availability as well as any such emergency. However, Bidder may ask help for providing such facilities on chargeable basis from the owner. But in case, owner is not able to provide such help, contractor shall himself be responsible to arrange the same.
- ii. Water is to be arranged by the bidder for erection/construction activities. However, Bidder may ask help for providing such facilities on chargeable basis from the owner. But in case, owner is not able to provide such help, contractor shall himself be responsible to arrange the same.
- iii. The contractor shall provide all the construction equipment, tools, tackles and scaffoldings required for erection and commissioning of the material covered under the contract. The bidder shall himself arrange the Tools & tackles etc which he proposes to bring to site for the purpose of erection, & commissioning. PSTCL shall not pay any charges for T&P, tools and tackles etc.

### 4. HIGHLIGHTED SCOPE OF WORK-

The following works are also included in the scope of tender/ contractor –

- i. **Complete Erection & commissioning of Grid structure Towers-** includes inspection and checking the members at site & re-stacking, levelling of base etc., shifting of material to actual place of erection, earthing of tower at base with double bend of MS flat and at top with screen wire, checking, tightening/ retightening of nuts and bolts (including complete erection of peak where-ever required) for ATS-1, ATS-2, ATS-3 etc. type of 220KV towers, BTS-1, BTS-2, BTS-3 etc. type of 132KV towers & CTS-1, CTS-2, CTS-3 etc. type of 66KV towers.
- ii. **Complete Erection & commissioning of Grid structure Beams-** includes inspection and checking the members at site & re-stacking, shifting of material to actual place of erection, checking, tightening/ retightening of nuts and bolts for 220KV ABS-01 type, 132KV BBS-01 type & 66KV CBS-01 type beams.
- iii. **Complete Erection & commissioning of 220KV, 132KV & 66KV busbars-** includes inspection and checking of material at site & re-stacking, shifting of material to actual place of erection, Cutting the conductor 0.4" (single, Quad or twin as per requirement of PSTCL) from the drum for required length, fitting of string insulators & other fittings (including all required spacers, clamps etc.), stringing and sagging of busbars, modification of gantries (wherever required), connecting jumpers/jumpering work of busbar with equipment/ existing busbar





- etc. (wherever applicable) along with all arrangement for stringing of busbar for all three phases.
- iv. **Complete Erection & commissioning of Grid structure ASI-** includes inspection and checking the members at site & re-stacking, leveling of base etc., shifting of material to actual place of erection, erection, earthing at base with double bend of MS flat, checking, tightening/ retightening of nuts and bolts for ASI Structures.
5. *The location for all the works shall be within Punjab under jurisdiction of Grid Const. Division, PSTCL, Patiala.*

All other minor jobs/ scope for final commissioning of towers, beams, ASI Structures and busbars not specifically mentioned herein, shall be included in scope of contractor. Rates should be quoted considering the all-inclusive. The spacers, hardware fittings, clamps, discs etc. shall be erected as per standards and as per requirement of PSTCL in each busbar, jumpers etc.



Sr. Executive Engineer  
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