

PROCEDURE FOR VENDOR REGISTRATION FOR EQUIPMENTS

Application for vendor registration to be made to the CE (MM), Shakti Bhawan, Sector-6, HVPNL, Panchkula (Haryana)-India – 134109, Tel. No. 0172-2583724, Fax: 0172-2583724 duly Signed & Stamped on each page.

Application form for vendor registration is enclosed herewith (**Annexure-‘A’**) and the same is also available on HVPNL website.

Duly filled Application form for vendor registration is to be submitted along with supporting documents and nonrefundable registration fee i.e. Rs.- 20,000/-.

The registration fee shall be payable to HVPNL in shape of Demand Draft in favor of ‘Sr. Account Officer /MM, HVPNL, Panchkula’ payable at Panchkula (Haryana)-India.

Following documents are required to be submitted with your application:-

Sr. No.	Terms/ Description	Purposed Provision						
1	Technical & Financial Qualifying Criteria*	The Technical Qualification, Financial Qualification & type test requirements of equipments are enclosed as under:- <table border="1" style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 70%;">Transformers</td> <td style="width: 30%;">Annexure-‘B’</td> </tr> <tr> <td>GIS</td> <td>Annexure-‘C’</td> </tr> <tr> <td>Equipments other than Transformers & GIS</td> <td>Annexure-‘D’</td> </tr> </table>	Transformers	Annexure-‘B’	GIS	Annexure-‘C’	Equipments other than Transformers & GIS	Annexure-‘D’
Transformers	Annexure-‘B’							
GIS	Annexure-‘C’							
Equipments other than Transformers & GIS	Annexure-‘D’							
2	GTP*	The GTP of the equipment shall be as per HVPNL technical specifications and on prescribed Performa.						
3	Tool & Plants	The list of tool & plants available for manufacturing process, to be supplied.						
4	Manpower	The vendor shall supply the list of personal employed with him.						
5	Drawings	The drawings shall be submitted for approval after vendor registration.						
6	Registration of the Company	A copy of constitution of your company/firm or audited balance sheet of last financial year be submitted alongwith the power of attorney in the name of person signing application documents.						
7	Financial Documents*	A copy of latest income tax clearance/sales tax clearance certificate along with PAN/TAN number be submitted.						
8	Declaration regarding blacklisting*	The vendor must give a declaration that it has not been black listed firm by any State/Govt./Agency and that it shall be liable for the consequence of wrong declaration.						
9	Technical Specifications	The Technical specifications of all the equipments are placed at HVPNL website at below mentioned link. www.hvnpn.gov.in/tenders/technicalspecifications No technical deviation shall be acceptable.						
10	Customer support services	Manufacturer shall supply the details of after sale service mechanism and details of Customer support/service centers catering to Haryana.						

Note:

A	HVPNL will register the items which are mentioned in Annexure-B, C & D. Vendor registration is location specific as well as product specific. Submission of all documents is required for Vendor Registration but in absence of * marked documents, application will not be processed and liable to be rejected and further communication will not be entertained. In case the registration is not recommended / rejected, registration fees paid is not refundable.
B	Validity period of vendor:- The registration of vendor shall be applicable for 3 years from the date of vendor approval or validity period of type test certificates, whichever is earlier.
C	Registration for more than one equipment by a vendor:- In case vendor submit request for registration of more than one equipment, then the following shall be applicable, however the same shall be applicable for those having same registered name & address:- a. The vendor will submit one application for all equipments alongwith one time registration fee of Rs-20,000/- only. b. The vendor will have to fulfill the financial criteria of network which is highest requirement of network out of the equipments offered for vendor approval.
D	Registration of Existing Vendors:- The approved vendors/suppliers manufacturers need not to submit supporting documents except application alongwith requisite registration fee and documents indicating any one of the following:- a. Supply of material to HVPNL directly during 30.08.2010 to 30.08.2013. b. Supply of material to HVPNL through turnkey contractors during 30.08.2010 to 30.08.2013. c. Approved vendor of HVPNL during 30.08.2010 to 30.08.2013.

FORMAT FOR VENDOR REGISTRATION

1	a) Name of the firm b) The date of commencement of production	
2	Correspondence Address a) Full Address: b) Telephone No. c) Fax No. d) e-.mail ID.	
3	Address of the Registered office. a) Full Address: b) Telephone No. c) Fax No. d) e-.mail ID.	
4	Address of the factory/works from where material will be supplied a) Full Address: b) Telephone No. c) Fax No. d) e-.mail ID.	
5	Detail of contact person for seeking clarifications: a) Name: b) Telephone/Mobile No. c) Fax No. d) e-.mail ID.	
6	Name of the Directors/Partners.	
7	List of items to be registered for supply with rating/description (As per technical specification requirement)	1. 2. 3.
8	Whether Proprietary Pvt. Ltd., or public Ltd.(Copy of memorandum and Article of Association)	
9	Details of registration fees (Non-refundable) of Rs. 20,000/-	D.D. No. _____ dated ___ issuing Bank _____.
10	a. Owned by the firm (documentary evidence of ownership must be produced) in case firm do not have own factory but utilize the manufactory/fabrications of equipments / stores for which firm have applied on leave or other basis. Firm should furnish valid legal agreement that factory of (here indicate the name of the firm whose factory is being utilized has been put at the firms disposal of the equipments/stores for which the firms have applied). b. Area of land occupied by the factory. c. Built up area of the factory.	
11	Name and Full Address of the Bankers and Account No.	
12	Year of Establishment.	
13	Audited balance sheet of last financial year	
14	Loan Capital with Bank Limit. Networth details of the firm to be supplied as per Form- ‘Fin’ alongwith supporting documents. Copy of Form- FIN enclosed as Annexure-E	
15	I) Income Tax Clearance certificate up to date. II) Sales Tax Clearance certificate up to date. III) PAN no IV) TAN no	
16	Product Manufactured with complete description.	
17	No. of Working shifts in the factory. Estimate of stocks of raw material held and the estimated Production on single shift basis from the stock so available.	

18	<ul style="list-style-type: none"> a. Factory License No. (Notarized copy) b. Small Scale Certificate No.(Notarized copy) c. Value of Plant and Machinery certified by SSI in case of SSI units, alongwith the date of assessment of said value. d. If registered under companies' law of any other act give registration No. and date of Registration etc. alongwith copy of registration certificate. 	
19	Whether registered with other Power Utilities DGS&D, Other Govt. and Semi-Govt.. Deptt. Validity thereof.	
20	Details of machinery installed with their Capacities.	
21	Details of testing equipment with their Capacities and Details of Calibration.	
22	<p>Qualified personnel's .working in the factory/Office, their academic qualification and Experience.</p> <ul style="list-style-type: none"> a. Managerial: Name, Qualification & Experience. b. Production/Work Staff. c. Quality Control Staff. d. Other Personnel's Working in the factory and their experience i.e. Skilled, Unskilled & Other. 	
23	<ul style="list-style-type: none"> a) Is testing record maintained and if so, since when. b) Result of sample testing. c) Type tests as per Standards (This is must for registration) 	
24	Method adopted for Quality Control	
25	Is the person in charge for Quality control Independent of production control?	
26	<ul style="list-style-type: none"> a) Production Capacity per annum (quantity) b) Maximum production per annum (in qty. as well as value) achieved so far. 	
27	Details of order executed indicting quantity, value, Purchaser's Name, order no. and date, quantity supplied. The statement in regard shall be submitted supported with proff of material supplied by the firm.	
28	Performance certificate issued by various utilities regarding past supplies made by them.	
29	Please confirm whether your firm is under stop deal/blacklisted by any power utility or offices, Submit details. This is must The undertaking in this regard shall be submitted by the firm as per Annexure-F .	
30	Whether the product manufactured Carry ISI mark(PI .specify YES/NO)	
31	List of items possesses ISO 9001 Certificate	
32	Details of after sale service mechanism and details of Customer support/service centers catering to Haryana.	
33	Remarks.	

VENDOR REGISTRATION FOR POWER TRANSFORMERS**Technical Criteria for Power Transformer**

A The firm should have designed, manufactured, tested and supplied 'X' Nos. transformers of similar rating or higher rating (MVA/Voltage) in any one year during last five years from the date of application by the firm.

B The Tenderers who have manufacturing unit in India and is a part of parent company, located elsewhere outside India, and the above qualifying criteria is being met by its parent company, can also participate. The tenderer in such case shall furnish a legally enforceable undertaking jointly with the parent company to guarantee quality, timely supply, performance and guarantee obligations as per Annexure-I on award of contract and a confirmation letter from parent Company (Principals) as per Annexure-II enclosed, alongwith the bid.

C. The Indian bidder(s) who do not meet the above qualifying criteria [Sl.(A) to (B)], but have valid collaboration with other transformer manufacturer can also participate provided they shall meet the following qualifying criteria : -

i. The collaborator should have at least 7 (seven) years experience in the design, manufacture, testing and supply of the Power Transformers of similar or of higher capacity (both MVA and Voltage rating), and should have been in satisfactory operation for at least 5 (five) years reckoned from the date of application and the collaborator also should be manufacturing the same product. In such an event, the bidder who has valid collaboration shall furnish alongwith his bid, documentary evidence in support of experience and satisfactory operation of transformers as mentioned above. A copy of the notorised collaboration agreement/licensing agreement shall also be supplied.

ii. The Indian Bidder should have adequate manufacturing facility, testing facility (for all tests as per specification), experienced engineers and working personnel, R&D facility, financial capability. The collaborator's participation in regard to design, manufacturing, testing and R&D etc. will be ascertained during prequalification. Notwithstanding anything, stated above, the purchaser reserves the right to assess the bidder's capability and capacity to perform the contract, should the circumstances warrant such an assessment in overall interest of the purchaser.

iii. Such bidders will be required to submit bid security amounting to Rs. 20.00 Lacs alongwith the bid, which will be returned back after receipt of performance bank guarantee.

iv. The warranty of the offered material will be 18 months from the date of commissioning or 24 months from the date of supply whichever is earlier.

v Such bidders will be required to submit performance bank guarantee @20% of the contract value instead of 10% applicable in case of bidders coming under category 'A'.

The **50% of 'X'** Nos transformers of similar rating or higher rating (MVA/Voltage) supplied by the firm should be in successful operation from last 18 months and the certificate in this regard should not be older than 3 years from the date of application by the firm.

The similar transformer should be Type tested from NABL accredited lab and the reports of the same should not be older than 7 years from the date of application.

In case, the firm submits the credentials of higher rating transformers towards technical specification, the vendor approval shall be conveyed subject to submission of valid type test certificates within two months.

If the vendor fails to submit valid type test certificates of similar rating within two months then the vendor approval shall be treated as cancelled.

If the facility for type testing of similar transformer is not available in India then same shall be waived off.

Financial Criteria for Power Transformer

As per last audited balance sheet of the firm, the net worth of the bidder should be more than 100 % of estimated cost of X items.

The estimated cost shall be as per HVPNL circulated rate list, if the rates of items not available in the list then the same be taken as per last PO/prevaling market rate.

Sr. No	Name of Equipment	Unit	X
1	315MVA, 400/220 KV Transformer	No.	2
2	160MVA, 220/132 KV Transformer	No.	2
3	160MVA, 220/66 KV Transformer	No.	2
4	100MVA, 220/132 KV Transformer	No.	2
5	100MVA,220/66 KV Transformer	No.	2
6	100MVA,220/33 KV Transformer	No.	2
7	40/50 MVA 132/33 KV Transformer	No.	2
8	20/25 MVA 132/33 KV Transformer	No.	10
9	16/20 MVA 132/11 KV Transformer	No.	10
10	10/16 MVA 132/11 KV Transformer	No.	10
11	25/31.5 MVA 66/11 KV Transformer	No.	10
12	12.5/16 MVA 66/11 KV Transformer	No.	10
13	200 KVA 33/0.4 kV Transformer	No.	10
14	200 KVA 11/0.4 kV Transformer	No.	10

ANNEXURE- I to Annexure-B

**ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE (Rs.100/-)
PROFORMA OF UNDERTAKING BY THE PARENT COMPANY (PRINCIPALS)**

To

Chief Engineer, MM,
HVPNL, Panchkula

Dear Sir,

With reference to Tender Enquiry No. _____ we, the company
(Principals) agree to furnish the following on award of contract:

Jointly with the bidders, a legally enforceable undertaking to guarantee
quality, timely supply, and performance and guarantee obligations as
specified in the contract.

Yours faithfully,

ANNEXURE-II to Annexure-B

ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE (Rs.100/-) PROFORMA OF JOINT UNDERTAKING BY THE PARENT COMPANY (PRINCIPALS) WITH THE BIDDER.

This deed of undertaking executed this _____ day of _____ by _____ having its registered office at _____ (hereinafter called the 'Parent Company which expression shall include its successors, administrator, executors and permitted assigns) and _____ having its Head Office at _____, India (herein after called the 'Subsidiary'(Bidders which expression shall include its successors, administrators, executors and permitted assigns) in favour of "Haryana Vidyut Prasaran Nigam Limited" (Hereinafter called the "Purchaser").

WHEREAS the Purchaser invited Bids as per its Tender Enquiry No. _____ for the following equipment _____ at Panchkula and whereas the bid documents stipulates that, Manufacturer(s) who have established production line in India for the voltage Class equipment, as tendered, based on Technological support of a parent company can also be considered provided the parent company (Principal) meets qualifying requirements stipulated and furnish (jointly with the parent company) as detailed below.

- i) Legally enforceable joint undertaking to guarantee quality, timely supply, performance and guarantee obligations as per proforma attached at Annexure-II on award of contract.

AND WHEREAS _____ HAS submitted its proposal to the Owner vide _____ based on the Association of the Parent Company & Subsidiary.

NOW THEREFORE THIS UNDERTAKING WITNESSED AS UNDER:

1. In consideration of the award of Contract by the Purchaser to the Supplier, we the parent Company (Principals) and the Subsidiary do hereby declare and undertake that we shall be jointly and severally responsible and bound unto the Haryana Vidyut Prasaran Nigam Limited of the successful performance of the characteristics, as specified in the contract to the satisfaction of the Owner.
2. In case of any breach of the Contract committed either by us and or by the Subsidiary, we the Parent Company (Principals) do hereby undertake, declare and confirm that we shall be fully responsible for successful performance of the contract and undertake to carry out all the obligations and responsibilities under the contract in order to discharge the Purchaser's obligations, stipulated in the contract, we undertake to execute the work in its entirety and hold responsibility even in respect of the work entrusted by us to our subsidiary. We hereby indemnify the Purchaser that we will compensate the Purchaser, if any loss occurred either due to our default in executing the work or by our subsidiary.
3. Without in any way affecting the generality and total responsibility in terms of this Deed of undertaking, the Principal hereby agrees to depute their technical experts from time to time to the Subsidiary's Works/Purchaser project site as mutually considered necessary by the Purchaser/Subsidiary's and the Principals to ensure proper design, manufacturer, testing & supervision of erection, testing and commissioning.

4. Successful performance of the equipment under the said Contract in accordance with the Contract specifications and if necessary the principals shall advise the Subsidiary suitable measures to discharge the obligations under Contract.
5. This Deed of Undertaking shall be construed and interpreted in accordance with the laws of India and a court of law to which jurisdiction of High Court of Haryana & Punjab extends shall have exclusively jurisdiction in all matters arising under this undertaking.
6. We, the Parent Company (Principals) and the Subsidiary agree that this undertaking shall be irrevocable and shall form an integral part of the Contract and further agree that this undertaking shall continue to be enforceable till the successful completion of the Contract and Owner discharges it. It shall become operative from the effective date of the Contract
7. We, the Principals will be fully responsible for the quality of all Equipment/Components manufactured at its works or at its vendor's works and if necessary, their repairs or replacement for successful performance of the Contract in terms of the Contract.

IN WITNESS WHEREOF, the Parent Company (Principals) and the Subsidiary through their Authorised representatives, have executed these present and affixed Common Seals of their respective Companies, on the day, month and year first mentioned above.

WITNESS:	(PARENT COMPANY)
(Signature)	(Signature)
(Name)	(Name)
(Official Address)	Common Seal of Company

2. (SUBSIDIARY)	
(Signature)	(Signature)
(Name)	(Name)
(Official Address)	Common Seal of Company

VENDOR REGISTRATION FOR GIS**Technical Criteria for GIS**

A. The firm should have designed, manufactured, tested and supplied 'X' nos GIS bays of similar rating or higher rating (MVA/Voltage) to power utility in India in any one year during last five years.

B. The **50% of 'X'** bays of GIS bays of similar rating or higher rating (MVA/Voltage) supplied by the firm should be in successful operation in India from last 18 months and the certificate in this regard should not be older than 3 years from the date of application by the firm.

OR

The manufacturer who have recently established production line in India based on technological support of a parent company then GIS bays offered should be similar to that of parent company. The credentials of parent company shall be considered towards qualification as per criteria mentioned at **A & B** above.

The similar GIS bays should be Type tested as per IEC from NABL accredited/ internationally recognized lab and the reports of the same should not be older than 7 years from the date of application.

In case, the firm submits the credentials of higher rating GIS bays towards technical specification, the vendor approval shall be conveyed subject to submission of valid type test certificates within two months.

If the vendor fails to submit valid type test certificates of similar rating within two months then the vendor approval shall be treated as cancelled.

Financial Criteria for GIS

As per last audited balance sheet of the firm, the net worth of the bidder should be more than 100 % of estimated cost of X items.

The estimated cost shall be as per HVPNL circulated rate list, if the rates of GIS bays not available in the list then the same be taken as per last PO/prevailing market rate.

Sr. No	Name of Equipment	Unit	X
1.	245kV GIS	Bays	4
2.	145kV GIS	Bays	6
3.	72.5kV GIS	Bays	6
4.	36kV GIS	Bays	8

**LIST OF EQUIPMENTS FOR VENDOR REGISTRATION FOR EQUIPMENTS
EXCEPT POWER TRANSFORMERS & GIS**

Technical Criteria for equipments except Power Transformer & GIS

The firm should have designed manufactured, tested and supplied 'X' qty (Name of Equipment) of similar rating or higher rating (MVA/Voltage/Current) in any one year during last five years from the date of application by the firm.

The **50% of 'X'** qty. (Name of Equipment) of similar rating or higher rating (MVA/Voltage/Current) supplied by the firm should be in successful operation from last 18 months and the certificate in this regard should not be older than 3 years from the date of application by the firm.

The similar equipment should be Type tested from NABL accredited lab and the reports of the same should not be older than 7 years from the date of application.

In case, the firm submits the credentials of higher rating equipment towards technical specification, the vendor approval shall be conveyed subject to submission of valid type test certificates within two months.

If the vendor fails to submit valid type test certificates of similar rating within two months then the vendor approval shall be treated as cancelled

Financial Criteria for equipments except Power Transformer & GIS

As per last audited balance sheet of the firm, the net worth of the bidder should be more than 100 % of estimated cost of X items.

The estimated cost shall be as per HVPNL circulated rate list, if the rates of equipment not available in the list than the same be taken as per last PO/prevailing market rate.

Sr. No	Name of Equipment	Unit	X
I	SF-6 GAS CIRCUIT BREAKER		
1	400kV SF-6 GCB	No.	7
2	245kV SF-6 GCB	No.	10
3	145kV SF-6 GCB	No.	15
4	72.5kV SF-6 GCB	No.	15
5	33 kV, 2000 A VCBs	No.	20
6	33 kV, 1250 A VCBs	No.	20
7	33 kV, 630 A VCBs	No.	20
II	11 KV PANEL BOARD		
1	11kV 15 panel board 2000A	Set	10
2	11kV 14 panel board 2000A	Set	10
3	11kV 12 panel board 1250 A	Set	10
4	11kV 8 panel board 1250 A	Set	10
5	11 KV VACCUME INTERRUPTER	No.	50
III	ISOLATORS & L&E SWITCHES		
1	400 kV, 2000A Isolators/L&E Switches	No.	14
2	245kV, 2000 A Isolators/L&E Switches	No.	20
3	145kV,1600 A Isolators/L&E Switches	No.	30
4	72.5kV,1600 A Isolators/L&E Switches	No.	30
5	36 kV, 2000 A Isolators/L&E Switches	No.	40
6	36 kV, 1250 A Isolators/L&E Switches	No.	40
7	36 kV, 630 A Isolators/L&E Switches	No.	40
8	11 KV Isolator	No.	10
IV	CTs & NCTs		
1	400kV CT (2000-1000-500/1-1-1-1-1A)	No.	21
2	400kV NCT		7
3	220kV T/F CT (450-300/.577-1-1-1-1A)	No.	30
4	220kV Line cum Bus coupler CT (1200-800-400/-1-1-1-1-1A)	No.	30
5	220kV line CT (2000-1000/1-1-1-1-1A)	No.	30
6	220kV bus coupler CT (2400-1200/1-1-1-1A)	No.	30
7	220kV T/F I/C CT (900-600-300/-1-1-1-1-1A)	No.	30
8	220kV NCT (450-300/1A)	No.	10

Sr. No	Name of Equipment	Unit	X
9	132kV T/F I/C CT (750-500/.577-1-1-1A)	No.	45
10	132kV T/F CT (250-150-100/.577-1-1-1A)	No.	45
11	132kV line cum Bus coupler CT (600-300-150/1-1-1A)	No.	45
12	132kV NCT (250-150-100/1A)	No.	15
13	132kV Bus coupler CT (750-500/-1-1A)	No.	45
14	66kV T/F I/C CT (1500-1000/.577-1-1-1A)	No.	45
15	66kV T/F CT (300-200-150/.577-1-1A)	No.	45
16	66kV line cum bus coupler CT (600-300-150/1-1-1A)	No.	45
17	66kV I/C NCT (1500-1000/1A)	No.	15
18	66kV NCT (300-200-150/1A)	No.	45
19	33kV T/F I/C CT (1000-600-400/.577-5-5-1A)	No.	60
20	33kV T/F I/C CT (2000-1000/.577-5-5-1A)	No.	60
21	33kV line cum capacitor CT (400-300/5-1A)	No.	60
22	33kV T/F I/C NCT (1000-600-400/5A)	No.	20
23	33kV T/F I/C NCT (2000-1000/5A)	No.	20
24	33kV bus coupler CT (2000-1000/5A)	No.	60
25	33kV T/F CT (100-50/5-5A)	No.	60
26	33kV CT (300-150/5A)	No.	60
27	33kV T/F NCT (100-50/5A)	No.	20
28	11 kV NCTs (1800-900/5A)	No.	15
29	11 kV NCTs (1200-900/5A)	No.	15
30	11 kV NCTs (300-150/5A)	No.	15
V	PTs		
1	400 kV PTs (2 core)		7
2	220 kV PTs (2 core)	No.	10
3	132 kV PTs(3 Core)	No.	15
4	66 kV PTs (2 Core)	No.	15
5	33 kV PTs (2 Core)	No.	20
6	11 kV PTs (2 Core)	No.	20
VI	CVTs		
1	400kV CVT (3 Core)	No.	7
2	220kV CVT (3 Core)	No.	10
3	132kV CVT (3 Core)	No.	15
4	66kV CVT (2 Core)	No.	15
VII	11KV RVT	No.	10
VIII	COMBINED CT/PT UNITS		
1	11 KV CT/PT (Ratio 1800-900/1-1A)	No.	5
2	11 KV CT/PT (Ratio 1200-600/1-1A)	No.	10
3	11 KV CT/PT (Ratio 900-450/1-1A)	No.	10
4	11 KV CT/PT (Ratio 300-150/0.5A)	No.	10
IX	LAs		
1	400KV Lightning Arrester	No.	21
2	198kV Lightning Arrester	No.	30
3	120kV Lightning Arrester	No.	45
4	60kV Lightning Arrester	No.	45
5	30kV Lightning Arrester	No.	60
6	11kV Lightning Arrester	No.	60
7	Surge Monitor (Spare)	No.	60
X	ACDB & DCDB (300A)		
1	415 V, 500 Amps. ACDBs	No.	5
2	415 V, 300 Amps. ACDBs	No.	5
3	220 V, 200 Amps. DCDBs	No.	5
4	220 V ,100 AH DCDBs	No.	5

Sr. No	Name of Equipment	Unit	X
XI	C&R PANNEL		
1	400kV T/F C&R Panel	No.	7
2	400kV Feeder C&R Panel	No.	7
3	400kV Bus coupler cum Bus Bar Protection Panel	No.	3
4	220kV T/F C&R Panel	No.	10
5	220kV Feeder C&R Panel	No.	10
6	220kV Bus coupler cum Bus Bar Protection Panel	No.	5
7	220KV Synchronizing Panel	No.	5
8	132kV T/F C&R Panel	No.	15
9	132kV Bus Coupler C&R Panel	No.	5
10	132kV T/F I/C C&R Panel	No.	15
11	132kV Feeder C&R Panel	No.	15
12	132kV Capacitor C&R Panel	No.	15
13	66KV T/F C&R Panel	No.	15
14	66kV Feeder C&R Panel	No.	15
15	66kV Bus Coupler C&R Panel	No.	5
16	66kV T/F I/C C&R Panel	No.	15
17	66kV Feeder C&R Panel	No.	15
18	33kV Capacitor C&R Panel	No.	20
19	33kV T/F I/C C&R Panel	No.	20
20	Substation Automation system	No.	5
21	AC Kiosk	No.	5
XII	BATTERY & BATTERY CHARGER		
1	220V,20/30 A DC Battery Charger	No.	10
2	220V, 10/20 A DC Battery Charger	No.	10
3	48V, 10/20 A Battery Charger	No.	10
4	220V 200AH DC Battery set	No.	10
5	220V 100AH DC Battery set	No.	10
6	48V 300 AH Battery Set	No.	10
7	48V 200 AH Battery Set	No.	10
8	48V 150 AH Battery Set	No.	10
9	48V 120AH Battery Set	No.	10
XIII	11 KV ALUMUNIUM XLPE CABLE		
1	1Cx630 mm2	Kms	15
2	3Cx400 mm2	Kms	15
3	3Cx300 mm2	Kms	15
4	1Cx185 mm2	Kms	15
5	3Cx185 mm2	Kms	15
6	3Cx95 mm2	Kms	15
7	3Cx50 mm2	Kms	15
XIV	66 KV ALUMUNIUM XLPE CABLE		
1	1Cx400 mm2	Kms	10
2	1Cx630 mm2	Kms	10
3	1Cx1000 mm2	Kms	10
4	1Cx1200 mm2	Kms	10
XV	66 KV COPPER XLPE CABLE		
1	1Cx400 mm2	Kms	10
2	1Cx630 mm2	Kms	10
3	1Cx1000 mm2	Kms	10
4	1Cx1200 mm2	Kms	10
XVI	132 KV ALUMUNIUM XLPE CABLE	Kms	10
1	1Cx630 mm2	Kms	10
2	1Cx1000 mm2	Kms	10
3	1Cx1200 mm2	Kms	10

Sr. No	Name of Equipment	Unit	X
XVII	132 KV COPPER XLPE CABLE	Kms	10
1	1Cx630 mm ²	Kms	10
2	1Cx1000 mm ²	Kms	10
3	1Cx1200 mm ²	Kms	10
XVIII	220 KV ALUMINIUM XLPE CABLE		
1	1Cx1000 mm ²	Kms	5
2	1Cx1200 mm ²	Kms	5
XIX	220 KV COPPER XLPE CABLE		
1	1Cx1000 mm ²	Kms	5
2	1Cx1200 mm ²	Kms	5
XX	CABLE TERMINATION KITS FOR ABOVE 66/132/220 kV CABLES	Nos	25
XXI	CABLE TERMINATION KITS FOR 66/132/220 kV GIS OF ABOVE CABLES	Nos	25
XXII	ARMOURED CONTROL CABLE	Kms	50
XXIII	UN-ARMOURED CONTROL CABLE	Kms	50
XXIV	MARSHALING KIOSKS		
1	Marshaling Kiosks 300 TB	No.	20
2	Marshaling Kiosks 250 TB	No.	20
3	Marshaling Kiosks 200 TB	No.	20
XXV	CONDUCTORS		
1	AAC Tarntulla Conductor	Kms	20
2	ACSR Moose conductor	Kms	100
3	ACSR conductor Zebra	Kms	100
4	ACSR Panther conductor	Kms	100
5	ACSR Wolf conductor	Kms	100
6	AAAC Wolf Conductor	Kms	100
7	AAAC Zebra conductor	Kms	100
8	AAAC Panther conductor	Kms	100
9	AL-59 conductor equivalent to 0.4 sq" ACSR	Kms	20
10	AL-59 conductor equivalent to 0.2 sq" ACSR	Kms	20
XXVI	EARTH WIRE		
1	Earth wire 7/3.66 mm	Kms	30
2	Earth wire 7/3.15 mm	Kms	30
3	Earth wire 7/2.50	Kms	30
XXVII	ANTI FOG DISC INSULATORS		
1	160 KN (Anti Fog)	No.	1000
2	120 KN (Anti Fog)	No.	1000
3	90 KN (Anti Fog)	No.	1000
4	70 KN (Anti Fog)	No.	1000
5	45 KN (Anti Fog)	No.	1000
XXVIII	POST INSULATORS		
1	Solid Core Post Insulators 400kV	No.	100
2	Solid Core Post Insulators 220kV	No.	100
3	Solid Core Post Insulators 132kV	No.	100
4	Solid Core Post Insulators 66 kV	No.	100
5	Solid Core Post Insulators 33 kV	No.	100
XXIX	POLYMER STRING INSULATOR		
1	400 kV Polymer String Insulator (160 KN & 120 KN)	No.	200
2	220 kV Polymer String Insulator (160 KN ,120 KN, 90 KN & 70 KN)	No.	200
3	132 kV Polymer String Insulator (120 KN, 90 KN & 70 KN)	No.	200
4	66 kV Polymer String Insulator (120 KN, 90 KN & 70 KN)	No.	200
5	33 kV Polymer String Insulator (90 KN, 70 KN & 45 KN)	No.	200

Sr. No	Name of Equipment	Unit	X
XXX	HARDWARE FITTING		
1	400 KV Hardware fitting for S/Stn	No.	100
2	400 KV Hardware fitting for T/L lines	No.	100
3	220 KV Hardware fitting for S/Stn	No.	150
4	220 KV Hardware fitting for T/L lines	No.	150
5	132/66/33/11 KV Hardware fitting for S/Stn	No.	200
6	132/66/33/11 KV Hardware fitting for T/L lines	No.	200
7	C-wedge connector	No.	500
XXXI	CAPACITOR BANK	No.	
1	33KV Capacitor Bank	No.	10
2	11 kV capacitor bank	No.	20
3	200KVAR Capacitor Cells	No.	200
XXXII	TOWER & EARTHING MATERIAL	MT	1000
1	Tower & Structures		
2	Eathing Rod i.e. 40 & 25 mm dia	MT	200
3	GI Flat sizes 75x12,50x8,50x6,25x3 mm	MT	200
4	Nuts of Bolts	MT	100
5	Step Bolts	MT	40
6	Spring Washers	MT	40
7	U-Bolt	No.	100
XXXIII	PLCC EQUIPMENT		
1	PLC Terminal	No.	10
2	Protection Coupler with PLC Terminal	No.	10
3	Wave Trap 1250A	No.	20
4	Wave Trap 630A	No.	20
5	Wave Trap 400A	No.	20
6	LTU	No.	10
7	Coupling Capacitor 132kV	No.	10
8	Coupling Capacitor 66 kV	No.	10
9	H.F. Cable 150 Ohms.(Balanced) per KM	Kms	10
10	EPAX (8x24)	No.	10
XXXIV	TESTING EQUIPMENTS		
1	Insulation Tester	No.	5
2	Thermo Vision Scanning Camera	No.	5
3	Ten Delta Testing Kit	No.	5
4	Primary Injection Sets	No.	5
5	Secondary Injection Sets	No.	5
6	Universal Relay Testing Kit	No.	5
7	Breaker Timing Kit	No.	5
8	Winding Resistance Testing Kit	No.	5
9	Universal Testing Kit (Frequency Measurements)	No.	5
10	Transformer Turn Ratio Testing Kit	No.	5
11	Contact Resistance Meter	No.	5
XXXV	LOOSE RELAYS	No.	
1	Auto recloser relay	No.	10
2	O/C & E/F Relay	No.	10
3	Auxillary Relays	No.	10
4	Bus Bar Protection	No.	10
5	Distance Protection	No.	10
6	Differantial Relay	No.	10
7	UFR and df/dt relay	No.	10

Sr. No	Name of Equipment	Unit	X
XXXVI	TRANSMISSION LINE ACCESSORIES		
1	Aviation light	No.	20
2	Span marker for line	No.	20
XXXVII	SPECIAL ENERGY METERS 0.2S ACCURACY CLASS	No.	10
XXXVIII	TRANSFORMER OIL	KL	1000
XXXIX	OPGW CABLE (24 CORE & 12 CORE)	Kms	10
XXXX	100 KVA D G SET	No.	5

FORM FIN- (Net Worth Details)

NAME OF THE BIDDER:

ADDRESS OF THE BIDDER:

Description	Amount
Paid up Equity Share Capital	
Add: Reserves (Not being the revaluation reserve)	
Subtract: Intangible Assets	
Subtract: Miscellaneous Expenditure to the extent not written off and carry forward losses.	
Balance	

Signatures of the Authorized signatory
(Name of the signatory)
Rubber stamp of the firm/Company

DECLARATION

I, _____ authorized
Representative of M/s _____
do hereby solemnly declare that our firm M/s _____
_____ has not been
blacklisted by any State Government/Central Government or any Agency and
that we shall be liable for consequences of wrong declaration.

Signatures of the Authorized signatory
(Name of the signatory)
Rubber stamp of the firm/Company