



RAJASTHAN RAJYA VIDHUT PRASARAN NIGAM LTD.

[Corporate Identity Number (CIN):U40109RJ2000SGC016485]

Regd. Office: VidyutBhawan, Jyoti Nagar, Jaipur-302005

OFFICE OF THE EXECUTIVE ENGINEER (T&C), RVPNL, Ratangarh.

Phone No. 01567-222060, Mobile No. 9413393605

E-mail:-xen.cm.400ratangarh@rvpn.co.in, Website: www.rvpn.co.in

NOTICE FOR INVITING BID FOR Installation of 33 KV 5.43 MVAR Capacitor Bank at 132KV GSS Bhanipura.

NIB No.- 03 / 2017-18

Sealed bids are invited from competent and experienced contractors/firms for Installation of 33 KV 5.43 MVAR Capacitor Bank at 132KV GSS Bhanipura.
as per details given below :-

NIB NO.	<u>03/ 2017-18</u>
WORK DESCRIPTION	Installation of 33 KV 5.43 MVAR Capacitor Bank at 132KV Bhanipura..
LAST DATE AND TIME FOR BID SUBMISSION	26.07.2017, UPTO 2.30 PM
DATE AND TIME OF OPENING OF BID	26.07.2017, 3.00 PM
ESTIMATED COST	Rs.73325.50
BID SECURITY TO BE DEPOSITED	Rs.1500
COST OF THE BID SPECIFICATION	Rs.NIL
VALIDITY OF OFFER	90 DAYS FROM THE DATE OF OPENING OF BID

GENERAL INSTRUCTIONS REGARDING BID:

1. The bidder, in their own interest is requested to read very carefully the bid documents before submitting the bid. The bidder can download bid documents from the website rvpn.co.in/raj.energy.gov.in
2. The bid should be addressed to the Executive Engineer (T&C), Rajasthan Rajya Vidyut Prasaran Nigam Limited, Ratangarh.
3. The bid shall be submitted in closed/sealed envelope duly super scribed "**Installation of 33 KV 5.43 MVAR Capacitor Bank at 132KV GSS Bhanipura.**"
4. **NIB No. - 03 / 2017-18**"
5. All additions and or alterations in the bid must be clearly initialled by the bidder.
6. Bids received late, from the date & time indicated above, due to any reason or incomplete bids shall not be accepted for consideration.
7. All the documents required i.e. G-Schedule shall be submitted by the bidder duly filled up in all respect with seal & signature on each page.
8. The Bid is being invited by the Executive Engineer (T&C), Rajasthan Rajya Vidyut Prasaran Nigam Limited, Ratangarh having office at 220 KV GSS Premises on Ratangarh - Sardarshahar Mega Highway, RVPN, Ratangarh and bid is to be sent on aforementioned address through registered post or handed over personally. E-mail id is xen.cm.400ratangarh@rvpn.co.in and contact no. is 01567-222060 & 9413393605.
9. Bid will be accepted upto 02.30 PM of dated 26.07.2017 and will be opened on the same day i.e. on dt.26.07.2017 at 3.00 PM in the presence of bidders or their representative, who wish to be present.

EXECUTIVE ENGINEER (T&C)
RVPN, RATANGARH

BID SPECIFICATION (NIB 03/2017-18)

SCOPE:

1. This specification covers The Installation of 33 KV 5.43 MVAR Capacitor Bank at 132KV GSS Bhanipura.
2. procurement process shall be governed by RTPP Act,2012 and RTPP Rules,2013.
3. The procurement is being done through single stage bid.
4. RVPN does not bind himself to accept the lowest or any other bid and reserve the right to reject any or all bid(s) without assigning any reason thereof.
5. RVPN reserves the right to award this work wholly or partly to any other contractor also.
6. RVPN reserves the right to terminate the contract at any time by giving 15 days notice in writing without assigning any reason thereof.
7. In case of any violation of terms & conditions of contract or unsatisfactory service/ performance, RVPN reserves the right to terminate the contract by giving 15 days notice to the contractor.
8. The cost of Bid Specification (non refundable) and bid security as given above shall be deposited either in cash or by crossed demand draft/Banker's cheque in the name of Accounts Officer (T&C), RVPN, Ratangarh.
9. Any Bid not accompanied receipt for depositing of cost of Bid Specification and Bid Security (equivalent to 2% of estimated value) shall be rejected and the Bid will not be opened.
10. Conditional bids will not be accepted.
11. No interest shall be payable on such deposits.
12. RVPN reserves the right to forfeit bid security or a part thereof in circumstance, which according to him indicate that the bidder is not earnest in accepting/executing any order placed under the specification and under following conditions:-
 - (i) when the bidder withdraws or modifies its bid after opening of bids.
 - (ii) when the bidder does not execute the agreement, if any, after placement of work order within the time specified.
 - (iii) when the bidder fails to commence the service or execute work as per work order within the time specified.
 - (iv) when the bidder does not deposit the performance security within specified period after the work order is placed.
 - (v) if the bidder breaches any provision of code of integrity prescribed for bidders specified in the RTPP Act-2012/Rules-2013.
11. The quoted rate(s) shall be valid for 90 days from the date of bid opening.
12. The successful bidder(s) will have to deposit the performance security equivalent to 10% of the order value at the time of signing contract agreement within 10 days of issue of order. This performance security shall be refunded after a period of sixty days from the successful completion of the work, up to the satisfaction of work in-charge.
13. In case of successful bidder, the amount of bid security may be adjusted in arriving at the amount of performance security or refunded if the successful bidder furnishes the full amount of performance security.
14. The Bid Security of unsuccessful bidders shall be refunded soon after final acceptance of successful bid and signing contract agreement and submitting performance security.



15. The work of Augmentation of transformer will be completed within 30 days from the date of receipt of material.
16. If work is not completed within scheduled completion period, penalty @0.5% per week or part thereof will be recovered from contractor's bills for unexecuted work subject to maximum of 5% .
17. 100% Payment will be arranged through the AO (T&C), RVPN, Ratangarh after deducting all statutory deductions as per rules come into force from time to time.
18. All sorts of T&P required for the job will be arranged by the contractors at his own source and cost.
19. The purchaser reserves the right to cancel any part or complete tender without assigning any reason.
20. In case of dispute arise between the purchaser and the contractor the decision of the ZCE(T&C), RVPN, Jodhpur will be final & binding on both the parties.
21. The successful contractor will execute the contract agreement on non- judicial stamp paper @0.25% of the contact value of Govt. of Rajasthan within 10 days of issue of work order.
22. The work is to be carried out by contractor, hence all precautionary measures shall be required to be taken at contractor end. The department shall not be responsible for any accident or miss happening.
23. The work will be carried out under the control and strict supervision of Assistant Engineer In-charge of the work.
24. The quantity of may be increased decreased as per actual site condition requirement.
25. Contractor shall have to submit a certificate that your establishment cover under the Employee provident Fund and misc. Provision Act 1952 and is having a separate code number with the Provident Fund Commissioner and also that the Provident Fund Contribution in respect of all the employees employed by you along with employer's share of contribution etc. is being deposited with the Provident Fund authorities and shall also submit charge in respect of all the employees engaged by you shall also submit charge in respect of all the employees engaged by you for the said work with RVPN along with details of employees, their wages and the amount contribution as per RVPN CPF rules every month. In case of failure, RVPN shall be entitled to deduct 16% of the amount of your bill.
In case you do not have separate code number from Regional Provident Fund Commissioner you have to furnish to the Accounts Officer (T&C), RRVPNL RATANGARH. The detail in the prescribed Performa signed by the concerned Executive Engineer/Assistant Engineer with each bill.
26. **Idle labour charges:-** No other extra charges for idle-ration of labour will be borne by the RRVPNL.
27. **Accident:-** any compensation payable for damages caused due to accident by contract vehicle/driver to any party/property/vehicle/driver shall be borne by the contractor. The department will not be responsible for any kind of the accident due to any reason.
28. The acceptance of the order should be conveyed to the in-charge of the work within a period of 7 days after receipt of the order, failing which it shall be presumed that terms and condition incorporated in the order are acceptable to the contractor.
29. any work not included in the G-schedule but necessary for the above job , the same shall be governed by BSR 2017 on same terms and condition.



Above Terms & condition are accepted

EXECUTIVE ENGINEER (T&C)
RVPN, RATANGARH

Name of Firm/Contractor

Address

Phone Number/ Fax Number

TIN/CST/RST Number

Name of contact Person

Contact Number / Mobile

Date.....

Place.....

Authorised Signatory
(with Name and Stamp of
the Contractor/Bidder)

APPENDIX

1. Annexure –A: Compliance with The Code of Integrity and No Conflict of Interest :

Any person participating in a procurement process shall –

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) Not indulge in any collusion, Bid rigging or anti – competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- (d) Not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:- The Bidder participating in a bidding process must not have a conflict of interest. A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. i A Bidder may be considered to be in conflict of interest with one or more parties in abiding process if, including but not limited to:

- (a) Have controlling partners/shareholders in common; or
- (b) Receive or have received any direct or indirect subsidy from any of them; or
- (c) Have the same legal representative for purposes of the Bid; or
- (d) Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
- (e) The Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidders is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- (f) The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- (g) Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procurement Entity as engineer-in-charge/consultant for the contract.

Annexure –B:

Declaration by the Bidder regarding Qualifications Declaration by the Bidder:-

In relation to my/our Bid submitted to.....for Procurement of.....in response to their Notice Inviting Bids No.....Dated.....I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012 that:

- I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
- I/we have fulfilled my/our obligation to pay such of the taxes payable to the union and the State Government or any local authority as specified in the Bidding Document;
- I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of the legal proceedings for any of the foregoing reasons;
- I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date:
Place

Signature of bidder

Name:
Designation:
Address:

Annexure –C:

Grievance Redressal during Procurement process:-The designation and addresses of the First Appellate Authority is _____ The designation and addresses of the Second Appellate Authority is _____

1. **Filing an Appeal :**If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued thereunder, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:Provide that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.
2. The officer to whom an appeal is filled under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of appeal.
3. If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Biding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.
4. **Appeal not to lie in certain cases :-**No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:
 - (a) determination of need of procurement;
 - (b) provisions limiting participation of Bidders in the Bid process;
 - (c) the decision of whether or not to enter into negotiations;
 - (d) cancellation of procurement process;
 - (e) applicability of the provisions of confidentiality

(5) Form of Appeal

(a) An appeal under para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.

(b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.

(c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorised representative.

(6) Fee of filing Appeal

(a) Fee of first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.

(b) The fee shall be paid in the form of bank demand draft or banker's cheque of the Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of Appeal

(a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.

(b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-

(i) hear all the parties to appeal present before him; and

(ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.

(c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

(d) The order passed under sub-clause(c) above shall also be placed on the State Public Procurement Portal.

FORM No.1[See rule 83]

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal No..... of.....

Before the(First/Second Appellate Authority)

i. A Bidd

1. Particulars of appellant:

- (i) Name of the appellant:
- (ii) Official address, if any:
- (iii) Residential address:

2. Name and address of the respondent(s):

- (i)
- (ii)
- (iii)

3. Number and date of the order appealed against and name and designation of the officer/authority who passed the order (enclosed copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant propose to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:.....
(Supported by an affidavit)

7. Prayer:.....

Place

Date

Appellant's Signature

Annexure –D:

Additional Conditions of Contract:-

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

(i) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;

if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and

if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to vary Quantities:-

(i) At the time of award of contract, the quantity of Goods, works or services originally specified in the bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.

(ii) If the procuring Entity does not Procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.

(iii) In case of procurement of Goods or Services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the supplier fails to do so, the procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the supplier.

3 Dividing quantities among more than one Bidder at the time of award (In case of Procurement of Goods):-As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, Whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LTD

G-Schedule for Installation of 33 KV, 1x5.43 MVAR Capacitor Bank-I at 132 KV GSS Bhanipura As per BSR 01.04.2017

Code No.	Description	Unit	SAP Code	Rate	Qty	Amount
1	2		3	4	5	6
1	EARTH MESH WORK					
	EARTH MESH WORK					
A.1	Laying of earth mesh with 25mm/28mm dia ,M.S. Rod at depth Of 0.80 metre from top of foundation including excavation of Trench of required depth and backfilling of the same transporta- tion of M.S.Rods from site store to locations, welding of M.S.Rod along the length, at crossings and with earth electrodes as per drawing application of bitumen compound and covering with bitumen impregnated tape on all welded joints, for the type of soil prevalent at 0.80 metre below top level of foundations (M.S.Rod of above sizes & M.S.Flat required shall be made available by RVPN)					
	a) In case electricity is made available by RVPN without charges					
	i) Normal dry soil	Metres	PRJ1238	24.00	200	4800.00
B.1	Laying of earthing risers of 50x6mm/50x10mm/50x12mm size M.S.Flat at a depth of 0.80 metre from top level of foundations. Including excavation of trench of required depth and backfilling of the same, transportation of M.S.Flat from site store to location preparation of risers, bending as per requirement (after heating if necessary), fixing on and welding/bolting to equipment/ structure and oejas if structures, laying in the trench, welding to the earth mesh of M.S. Rod as per drawing including welding of extra length of M.S.Flat if required, application of bitumen compound and covering with bitumen impregnated tape on all welded joints, painting of all surface of risers above ground level with red oxide and green paint, for the type of soil prevalent at 0.80 metre below top level of foundations (M.S.Rod of above Sizes & M.S. Flat as required shall be made available by RVPN)					
	a) In case electricity is made available by RVPN without charges					
	i) Normal dry soil	Metres	PRJ1258	27.00	200	5400.00
C.1	Placing/Driving of earth electrode of 25/28mm dia M.S.Rod of Length 3.30 meters (approx) to a depth of 3.80 meters from the top Level of foundation including excavation of pit as required and back filling of the same, transportation of M.S.Rod from site store to locations, cutting of M.S.Rod to desired length preparation of one end as spike if necessary, welding of earth electrode to earth mesh of M.S. Rod as per drawing, application of bitumen compound and covering with bitumen impregnated tape on all welded joints for the type of soil prevalent at 3.80 meters below top level foundations (M.S.Rod of above sizes & M.S.Flat as required shall be made available by RVPN)					
	a) In case electricity is made available by RVPN without charges					
	i) Normal dry soil	Nos	PRJ1278	200.00	6	1200.00
2	ERECTION OF SUB-STATION STEEL STRUCTURES columns. Beams ,lighting mast and equipment structures (excluding Circuit Breakers and nuts & bolts, washers etc from site store to locations Their assembly, placing on foundation, fixing of template, with Foundation, fixing of template, with foundation bolts as required Leveling and preparing for grouting as required but excluding Grouting, erection after grouting and tightening & punching of nuts & bolts. (Maximum height of structures up to 20 meters)	MT	PRJ1306	2321.00	4.500	10444.50
3	BUS-BAR WORK:					
A.	STRINGING OF 220KV,132KV, 33KV & 11KV Bus Bar of ACSR conductor , including transportation of conductor,disc Insulator and tension hardware from site stores to location laying And cutting required length of conductor, cleaning and assembly of disc insulators as required along with fitting of bolted type or compression tape tension hardware as made available (compression machine shall be provided by RVPN on rent free basis) making up at one end, stringing of conductors between the beams with specified sag and tension, also equalizing sag and fitting spacer T-Clamps for twin conductor for three plates of conductors in each bus-section					
	i) Single ACSR Panther	Section	PRJ1307	1165.00	1	1165.00
B.	JUMPERS OF ACSR conductor (3 nos Y- type)between bus To equipment or between equipment to equipment or between bus , including transportation of conductor, disc insulators and hardware from site stores to locations, cleaning and assembly of disc insulators as required along with fitting of suspension hardware and erection as required, cutting required length of conductor making connections, fixing of spacers & spacer T-Clamps as required, tightening of clamps/connectors, dressing etc, for three phases.					
	i) Single ACSR Zebra/Panther Conductor	Set	PRJ1312	333.00	18	5994.00
4	STRINGING of Earth wire(size 7/3.15 mm or 7/4.00mm) Including transportation of earthwire, tension hardwares Etc.from site store to locations laying and cutting required Length of earthwire,fitting of bolted type or compression Type hardware as made available (compression machine Shall be provided by RVPN on rent free basis) making up at One end stringing of earthwire between structure peaks with Specified sag and tension, jumpering and connecting earth Bonds, for single earthwire.	Each	PRJ1316	292.00	4	1168.00
5	ERECTION OF SUB-STATION EQUIPMENTS:					
B.	Erection of C.T /P.T /CVT/Series Reactor /RVT/NCT with clamps & connectors on already erected steel structure including transportation from site stores to locations minor fabrication of base frme, fixing of terminal connectors , tightening of nuts & bolts.					
	33 KV CT/PT	Nos.		532.00	3	1596.00
D	Erection of Isolators on already erected steel structure Including transportation of base frame,P contacts mechanism Box clamps & connectors etc from site store to locations,minor Fabrication as required, and fixing of terminal connectors,etc Adjustment/ alignment of isolator and its earth blade, if provided For their smooth operation and final adjustment if required after Jumpering.					
	iii) 33KV & 11KV					

B A

Code No.	Description	Unit	SAP Code	Rate	Qty	Amount
1	2		3	4	5	6
	a) Without Earth Blade	Nos.	PRJ1333	916.00	1	916.00
	b) With Single Earth Blade	Nos.	PRJ1334	1364.00	2	2728.00
F.	Erection of 1x33 KV or 1x11KV Capacitor Bank, with Series Reactors & Residual Voltage Transformers/Neutral Current Transformers, including transportation of equipment, structure Site store to location, assembly of structure, their placing on Foundation leveling and preparing for grouting as required, but Excluding grouting, assembly of capacitor bank cells on frames As required & their connections as per manufacturer's drawings, Fixing of terminal connectors etc.	Set	PRJ1337	18466.00	1	18466.00
H.	Erection of 33KV or 11 KV Circuit Breakers including transport- Tation of equipment, structure members nuts & bolts clamps & Connectors etc. from site store to location, assembly of support Structure their placing on foundation, leveling and preparing for Grouting as required, but excluding grouting assembly/placing of Poles, mechanism box etc on support structure as per manufacturer's Drawings fitting of terminal connectors, etc but excluding Commissioning of CB.					
	i) 33KV or 11KV Outdoor Type (VCB/SF 6)	Nos.	PRJ1340	7404.00	1	7404.00
I.	Erection of Post Insulators on already erected structures including Transportation of P.I.'s nuts & bolts, clamps & connectors etc. from Site store to locations, fabrication of base frame & assembly if Required, fixing of clamps, etc.					
	iii) 33KV or 11 KV	Nos.	PRJ1344	75.00	6	450.00
6	Erection of Control & Relay Panels complete in all respect, Including transportation from site store to control room, placing On foundation/cable trench as per layout, interconnection between Control & Relay panels and with existing panels fixing of site/top Covers and doors earthing to existing earth strip in control room, And relay panel as required.					
	iii) Simplex Panel, DC Panel, RTCC Panel, PLCC Panel, etc.	Nos.	PRJ1353	632.00	1	632.00
7	Erection of Marshalling Kiosk/Line Matching Unit(LMU)/Line Matching & Distribution Unit (LMDU) complete in all respect Including transportation from site store to location, placing on Foundation/ cable trench as per layout, preparing for grouting Of foundation bolts but excluding grouting etc.					
	ii) 33KV or 11KV Marshalling Kiosk		PRJ1356	192.00	1	192.00
10	LAYING AND TERMINATION OF CABLES:					
A.	Control Cable:					
	i) Laying of P.V.C insulated unarmoured/ armoured control cable of 1.1 KV grade with copper conductor in cable trenches as per specification as required, including transportation of cable drums from site store to locations, laying in cable trenches, cutting to required length, placing them on cable racks/cable trays/ cable batten & dressing, including removing and re-fixing trench covers as required making necessary connections, testing, cable marking on both the terminating ends, etc. as required for all sizes from 2c x 2.5 sq.mm to 20c x 2.5 sq.mm nd 4c x 6 sq.mm.					
	a) Unarmoured control cable.	Metres	PRJ1381	5.00	1500	7500.00
	ii) Fixing of control cable in position with single compression nickel plated brass cable glands conforming to IS: 12943 & having three metal washers and one rubber ring, including preparation of cable and drilling of corresponding holes in gland plates etc. as required, & including cost of cable glands. for each cable gland of					
	a) 19mm unarmoured control cable	Nos.	PRJ1383	44.00	20	880.00
	c) 25mm unarmoured control cable	Nos.	PRJ1385	67.00	24	1608.00
	iii) Termination of wires of cables with copper conductor using copper terminal ends (pin or ring type as required of Dowell's or equivalent make as approved by the Engineer-in-Charge duly crimped with crimping tool, including making wire ends ready for crimping, ferruling & dressing of wires etc. as required, including cost of terminal ends for all wires, for each cable at both ends for cables of the following sizes.					
	a) 2x x 2.5 sq.mm	Each	PRJ1389	21.00	2	42.00
	b) 3c x 2.5sq.mm	Each	PRJ1390	32.00	2	64.00
	c) 4c x 2.5 sq.mm	Each	PRJ1390	43.00	3	129.00
	d) 12c x 2.5 sq.mm	Each	PRJ1394	128.00	1	128.00
	e) 18c x 2.5 sq.mm	Each	PRJ1396	191.00	1	191.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate Rs.6.00 shall be made for each end of wires not terminated.					
	i) 4c x 4.0 sq.mm	Each	PRJ1397	57.00	4	228.00
	In case all the wires of any cable are not got terminated, then a deduction at the rate Rs.7.00 shall be made for each end of wires not terminated wires not terminated.					
					Total	73325.50

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ASSISTANT ENGINEER-II (T&C)
RVPN RATANGARH

PRJ1381

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