

**Annexure 6: Bid evaluations reports,
management approval, SLA agreement
and LOI copy**



NOTE FOR APPROVAL

Ref No:Jaigad Power Transco Ltd/Chiplun/Transmission/14-10-2021/952161

Date:14-10-2021

Department : Transmission

NFA Status : **APPROVED**

Approval Type:Additional budget

Amount:INR 40035881.34()

Subject:Administrative cum advance budgetary approval for O&M to process 3 years KPI/SLA based annual maintenance contract (AMC) of 400kV D/C (Quad Moose) Transmission lines & its associated bays.

Preamble Details:

At Present, JPTL has awarded various multiple contracts for O&M of transmission lines on account of job based/manpower based/need based contracts.

In view of creating synergy and efficient way of operating & maintaining transmission lines for all the processes involved & to avoid multiple contracts, management is in the process to bring KPI based AMC with Service level agreement for a period of 3 years.

To process these AMCs, user estimates with scope of work tender documents prepared & further commercial negotiations are in process at commercial. As per CPC requirement an advance budget approval is required for 3 years.

The contract is to be negotiated by CPC & this contract will be awarded for the period of three years from 1st January 2022 to 31st December 2024. Every financial year the PO will be awarded for the period of one year with the escalation of @ 5% over previous year value.

Technical/Functional Details/Commercial Details:

Based on detailed user estimation, a total budget required to be negotiate & award the PO for one year (First year) comes out to be Rs 1.189 crore with taxes. & L-1 value (before negotiation) is well within the annual budget.

Business Justification:-

In view of creating synergy and efficient way of operating & maintaining transmission lines for all the processes involved & to avoid multiple contracts, management is in the process to bring KPI based AMC with Service level agreement for a period of 3 years. By this, quality of work, efficiency of the transmission system will be improved and which will be more cost effective.



Proposal Details:

For the purpose of CPC negotiation based on L-1 value (before negotiation) and three years agreement, the total amount required for three years from the date of award of contract will be Rs 4.335 crore considering escalation of 5% per financial year. Out of this, Rs 0.331 Crores will be adjusted in the approved budget of this FY ie 2021-22 & balance amount of Rs 4.004 is an advance budget. The KPI based AMC will be awarded from 1st January 2022 to 31st December 2024.

An administrative cum advance budgetary approval to process three years KPI/SLA based annual maintenance contract (AMC) of 400kV D/C (Quad Moose) Transmission lines & its associated bays,

	FY	21-22	22-23	23-24	24-25	Total amount for Three years AMC in Rs. Crore with tax
Sr No	Description	Jan 22 to Mar 22	Apr 22 to Mar 23	Apr 23 to Mar 24	Apr 24 to Dec 24	
1	User estimates KPI Based AMC for JPTL transmission system	0.331	1.392	1.461	1.151	4.335
2	Additional advance budget amount from 1st April 22 to 31st Dec 24 in Rs crore	Nil as adjusted in present year AMC	1.392	1.461	1.151	4.004

Other Details:

Put up for your kind approval.

NFA Enclosures:

NA

Initiated by:

Vaibhav Sansare - Manager , NA

14-10-2021

NFA Status : **APPROVED**

Signature



Approved by: sunil dave - Associate Vice President , 15-10-2021 **Approver Status :** APPROVED

Remarks:-;

No Signature

Signature

Approved by: krishnaraj nair - Senior Manager , 01-11-2021 **Approver Status :** APPROVED

Remarks:-;

No Signature

Signature

Approved by: peddanna ramayanam - Vice President , JSW Energy Ltd-Operations 02-11-2021 **Approver Status :** APPROVED

Remarks:-;

No Signature

Signature

Approved by: surya prakash - Executive Vice President , JSW Energy 02-11-2021 **Approver Status :** APPROVED

Remarks:-;

No Signature

Signature

Approved by: Pritesh Vinay - Executive Vice President , Finance & Accounts, Commercial 03-11-2021 **Approver Status :** APPROVED

Remarks:-;; Approved.

No Signature

Signature

Approved by: Prashant Jain - President , 03-11-2021 **Approver Status :** APPROVED

Remarks:-;; Approved

No Signature

Signature



NOTE FOR APPROVAL

Ref No:Jaigad Power Transco Ltd/Ratnagiri/Purchase/05-03-2022/1012061

Date:05-03-2022

Department : Purchase

NFA Status : **APPROVED**

Approval Type:Service

Amount:INR 34,372,338(INR- Three Crore Fourty Three Lakh Seventy Two Thousand Three Hundred and Thirty Eight Only)

Subject:Proposal for SLA -AMC contract for Preventative ,Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines at JPTL Chiplun, Ratnagiri.

Preamble Details:

PR No.: 8900001389, Estimated/Budgeted Value : **Rs. 4.01 Cr,**

SLA -AMC contract for Preventative ,Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines & its associated bayspackage for 03 years_Jaigad Power Tarnmissions Limited, Chiplun, Ratnagiri plant.

Technical/Functional Details/Commercial Details:

RFQ floated to 4 vendors and offers are evaluated as below,

Vendor Name :	AC & DC Electrical	BNC Power Proj	Telegance Power	JBS Enterprises	Est. Cost	LPO
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Technical & Commercial Rating :	T3 & L4	T2 & L1	T3 & L2	T1 & L3
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Sr.No.	Activity	Quoted Rs.in Lac	Nego.Rs in Lac	Quoted Rs.in Lac	Nego.Rs in Lac	Quoted Rs.in Lac	Nego.Rs in Lac	Quoted Rs.in Lac	Nego.Rs in Lac	Amt Rs. in Lac	
1	SCHEDULE - "A" : SLA - AMC for Preventative ,Breakdown & Predicative Maintenance	264.00	288.00	93.60	84.00	125.40	125.40	132.00	126.00	84.00	NA



SCHEDULE

- "B

"Attending
breakdown

2	maintenanc e (Restricted to 10% of Sch-"A")	26.40	28.80	9.36	8.40	12.54	12.54	13.20	12.60	8.40	NA
	Sub-Total (Basic PO Value in Rs.)	290.40	316.80	102.96	92.40	137.94	137.94	145.20	138.60	92.40	
	Total Value Rs.(Incl.of gst@18%)f or 1'st yr	342.67	373.82	121.49	109.03	162.77	162.77	171.34	163.55		

Remark :

- Total Schedule B is restricted to **10%** of Schedule A. Unit rates for individual activities shall be as per **Annexure-B**
- Basic Cost for 1'st year for L1 vendor (M/s.BNC Power) is negotiated & reduced by 10.2% to Rs.92.40 lacs, which is inline with user estimated cost.
- YOY increase for L1 vendor (M/s.BNC Power) is **5%** for **2'nd & 3'rd** year

Business Justification:-

KPI Based SLAAMC contract required for Preventative ,Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines & its associated bayspackage for 03 years_Jaigad Power Tarnmissions Limited, Chiplun, Ratnagiri plant.

Proposal Details:

After Technical review & final negotiations, it is proposed to place the order on **M/s.BNC Power Projects** at a total value of **Rs.10,903,200 /-** **inclusive of GST@18%** (Rupees One Crore Nine Lakh Three Thousand Two Hundred Only) for 1'st year with rating **T2 & L1**.

2'nd Yr : **Rs.1.145 Cr.** and 3'rd Yr : **Rs.1.202 Cr.**

Total 3 Yrs Contract Value is **Rs.3.437 Cr** (incl of taxes)

Major Terms & Conditions :

- 1. Price Basis :** For Jaigad PowerTransco Ltd , Jaigad plant site
- 2. Effective date of Contract :** From the date of LOI / PO whichever is earlier
- 3. Contract Period :** 03 years contract with annual renewal clause based on performance evaluation
- 4. Mobilization :** within 01 month from the effective date of contract
- 5. Payment Terms :** 90% (ninety percent) of the maintenance price component will be paid on progressive monthly basis against invoice submitted and on certification of the same by the owner. The balance 10% (ten percent) of the maintenance price component shall be paid at end of Financial Year, after Reconsilation and Deduction on KPI. Contractor shall submit a Contract Performance Bank Gurantee(CPBG) on contract commencement equivalent to 10% of annual contarct value as security for due Performance of the Contract. Such gurantee shall be given by a



bank located in India and in format , acceptable to us. Such CPBG shall be valid for 01 year and will be renewed one-month prior to expiry on year on year basis for 03 years.

6. LD for Mobilization : 0.5 % of the annual contract value for delay in each week for the 1st four weeks , thereafter 1% per week , subject to maximum 7.5% of the annual contract value.

7. LD for Performance : Penalties shall be as per the KPI -Penalty as mentioned in the SLA document and SOW.

8. SOW & All other terms : As per signed tender document

Other Details:

Enclosed documents :

1. Approved budget sheet
2. CS
3. TR
4. Annexure-B
6. Final Offer

NFA Enclosures:

3 years advance budget approved enfa.pdf

Initiated by:

prashantv mhatre - Senior Manager ,
05-03-2022

NFA Status :**APPROVED**

Signature

CLARIFICATION-1

Clarification Asked by:chittur.lakshman@jsw.in **on** 09-03-2022

Asked clarification:- What is the savings associated with moving to a SLA mode

Answerd By :kamal.bhanawat **on** 09-03-2022



Clarification:- earlier contracts were manpower based with risk on JPTL , not comparable with LPP , however negotiated value is around 14% less than budget.

Approved by: kamal.bhanawat - Vice President , 05-03-2022 **Approver Status :** APPROVED

Remarks:- at JPTL, SLA based contract is being implemented for the first time, may be approved

No Signature

Signature

Approved by: surya prakash - Executive Vice President , JSW Energy 09-03-2022 **Approver Status :** APPROVED

Remarks:-

No Signature

Signature

Approved by: chittur.lakshman@jsw.in - Vice President , Finance & Accounts 10-03-2022 **Approver Status :** APPROVED

Remarks:- approved

No Signature

Signature

Approved by: Pritesh Vinay - Executive Vice President , Finance & Accounts, Commercial 14-03-2022 **Approver Status :** APPROVED

Remarks:- Approved.

No Signature

Signature



Jaigad PowerTransco Limited



A Joint Venture of JSW Energy Ltd. & Maharashtra State Electricity Transmission Co. Ltd.

Regd. Office : JSW Center, Bandra Kurla Complex, Bandra East, Mumbai – 400051. CIN : U40102MH2008PLC181433

Phone : 022-4286 1000 Fax :022-4286 3000

Ref : JPTL/Chiplun /SLA/001

Date : 17th March ,2022

LETTER OF INTENT

M/s BNC Power Projects Ltd.
303, 3rd Floor, Mantri Alpine
Pune-Mumbai Highway
Bavdhan Bk, Pune - 411 021(MH)

Attn: Mr. Yashodhan Chuadhari

Sub: KPI Based SLA -AMC contract for Preventative, Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines & its associated bays package for 03 years at Jaigad Power Transmissions Limited, Chiplun, Ratnagiri plant.

Ref: Various correspondences and discussions on the subject

With reference to above, we are pleased to issue this letter of intent (LOI) to you KPI Based SLA -AMC contract for Preventative, Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines & its associated bays package for 03 years_Jaigad Power Transmissions Limited, Chiplun, Ratnagiri plant as per following major terms and conditions.

1. Scope of Supply:

The scope of this LOI includes KPI Based SLA -AMC contract for Preventative, Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines & its associated bays package for 03 years_Jaigad Power Transmissions Limited, Chiplun, Ratnagiri plant as per the Technical Specifications and scope duly signed and agreed.

The scope of work shall be strictly as per the as per SLA document SOW & RFQ terms.

2. Total Purchase Price:

The Total Purchase Price for the above scope of work shall be Rs 1,09,03,200/- (Rupees One Crore Nine Lakh Three Thousand Two Hundred Twelve Only) for first year. The Total Purchase Price is inclusive of GST. TDS as applicable shall be deducted from the invoices submitted by you. TCS extra as applicable The detailed price breakup is as attached in Annexure– I. (including **Schedule- A & Schedule –B** rates)

3. Effective date of Contract: From 1st April 2022 00:00 hrs.

Project Off: JPTL, Off Chiplun-Guhagar Road, At-Mirjoli, Tal-Chiplun-415 605





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4. Contract Period: 01.04.2022 to 31.03.2023

3 years' contract, initially PO shall be issued one year, every year renewable based on satisfactory performance.

5.Price Basis: For Jaigad Power Transco Ltd , Chiplun plant site

6.Mobilisation: From 1st April 2022 00:00 hrs.

7.Accommodation, Food & Local Conveyance:

Accommodation shall be in SLA vendors scope; JPTL shall provide lodging & boarding facility in case of planned work only at Jaigad plant areas for duration more than one day subjected to availability of guest house at Jaigad . However, food charges shall be borne by the contractor.

8.Taxes and Duties: GST@18% extra as applicable

9. Payment Terms:

90% (ninety percent) of the maintenance price component will be paid on progressive monthly basis against invoice submitted and on certification of the same by the owner. The balance 10% (ten percent) of the maintenance price component shall be paid at end of financial Year, after Reconciliation and Deduction on KPI. Contractor shall submit a Contract Performance Bank Guarantee (CPBG) on contract commencement equivalent to 10% of annual contract value as security for due Performance of the Contract. Such guarantee shall be given by a bank located in India and in format, acceptable to us. Such CPBG shall be valid for 01 year and will be renewed one-month prior to expiry on year on year basis for 03 years.

10. LD for Mobilization:

0.5 % of the annual contract value for delay in each week for the 1st four weeks , thereafter 1% per week , subject to maximum 7.5% of the annual contract value

11. LD for Performance:

Penalties shall be as per the KPI –Penalties as mentioned in the SLA Tender document/ Annexures and agreed by the vendor.

Project Off: JPTL, Off Chiplun-Guhagar Road, At-Mirjoli, Tal-Chiplun-415605



12. Penalty for Quality of Work:

Strictly as per SLA Tender document, TOC & SOW

13. Insurance & Coverage:

The contractor shall obtain necessary insurance like insurance for third party liabilities, insurance for workers and deployed vehicles & equipment's.

14. Limit of liability:

Limitation of liability shall be 100% of total annual contract Value except for risk purchase clause.

15. Risk purchase:

Notwithstanding anything contained in this contract, if at any stage delay has taken place in supply / service or JPTL feel that delay is taking place or likely to take place in the execution of contract then JPTL shall have the right to procure required equipment or part or services thereof from alternate sources at contractors cost and expenses including incidental expenses. If JPTL exercise this option for any specified item / equipment / services then Contractor shall stop processing and delivery of the specified item / services without any cost to JPTL. This shall be over & above JPTL's right to claim liquidated damages towards late delivery and/or performance.

16. Mobilisation:

Exclusive resources shall be mobilized by Contractor as agreed at Site for the scope of work under this contract without diverting existing resource(s) from any of contractors on-going jobs at JPTL and/or JSW group company's locations. Contractor undertake not to lure any resources of our and other Contractor(s) already working in any of JPTL and/or JSW group company's Location(s)

17. Other Penalties:

Safety and housekeeping penalties will be as per the KPI-Penalty specifications and score card for housekeeping KPIs

18. Safety during working hours in plant:

Strictly as mentioned in the SOW documents

A) The contractor shall follow at site security rules regarding removal of material from site, issue of identity cards etc. as may be framed from time to time by the project.



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Phone : 022-4286 1000 Fax :022-4286 3000

- B) The contractor shall have to obtain No Dues Certificate from Security and other relevant agencies on finalization of Contract / Order.
- C) Safety and fire training for labor engaged on work shall be organized by the contractor under the guidance of JSW Safety Section. Cost for such training occurred, if any, shall be borne by the contractor.
- D) Contractor shall arrange to supply to all its employees the Personnel Protective Equipment like Helmet, Shoes, Safety Belts, Goggles, Safety Net, Gloves etc.
- E) Contractor shall provide personnel protective equipment like helmet, safety shoes etc. to all Contractor employees at their cost; however, JSW-JPTL will not in any way be directly or indirectly responsible to compensate to Contractor men and third party. Any liability will be solely to Contractor account. Contractor shall maintain the system & procedure followed in the Company. Contractor shall always keep Contractor site and equipment's in good and environment friendly condition."

19.Termination Clause: Applicable at JPTL's option with 15 days written notice.

20. Assignment and Sub Contracting /Subletting /Order:

"Service Provider shall not assign the Contract / Order or any part thereof or any benefit or interest therein without prior written consent of JPTL. Failure to adhere to the above clause shall make the Service provider liable for a monetary penalty as deemed fit by Purchaser but not exceeding 10% of the order value / termination of Contract / Order."

21.Dispute and Arbitration: ICA (Indian Council of Arbitration) Mumbai, Indian Law

22.Confidential information:

You agree that any information received pursuant to this contract shall be treated as confidential information and shall not be disclosed to any third party except as is required by law or legal process.

Project Off: JPTL, Off Chiplun-Guhagar Road, At-Mirjoli, Tal-Chiplun-415 605





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23. Force Majeure:

A) A Force Majeure means an event or circumstance or combination of events and circumstances beyond the reasonable control of the Party that wholly or partly prevents or unavoidably delays an affected Party in the performance of its obligations under this Contract, which amongst other, include Act of God, Natural Calamity, war, Endemic or any other calamities as declared by Government of India.

B) If either Party is prevented from performing any of its obligations under this Contract by such cases of Force Majeure, it shall give written notice to the other Party within 14 (fourteen) days of such occurrence to the events, describing the event and its effects supported by authentic evidences that are verifiable. The affected Party shall, having given notice, be wholly or partially excused performance of such obligation for so long as such Force Majeure prevents it from performing them. No Party shall have any claim/ compensation for the loss incurred due to the force majeure conditions.

C) The affected Party shall use all reasonable efforts to minimize any delay in its performance of the Contract as a result of Force Majeure Events.

D) The Party unable to perform this Contract due to the effect of Force Majeure Events occurrence may, after consultation with the other Party, extend the duration of this Contract by a period commensurate to the time actually lost due to the Force Majeure occurrence. The other Party shall not claim compensation for the loss thus incurred.

E) In case of an extension up to 90 (Ninety) days in the performance of this Contract due to the effect of the Force Majeure occurrence, both+C77 Parties shall have friendly consultation on the performance of this Contract or termination of the Contract as provided in this Contract.

F) Notwithstanding the foregoing, Force Majeure shall not apply to any delay, default or failure (direct or indirect) in procuring the components and /or the materials for the manufacture of the Equipment by the Supplier; and/or any delay, default or failure (direct or indirect) by the Supplier in any agreement entered into by it with any party including sub-contractor."





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Phone : 022-4286 1000 Fax :022-4286 3000

24.Other Terms: As per tender document strictly as per the KPI document, clauses.

Kindly return the duplicate copy of this LOI duly signed in token of your acceptance.

Thanking you,

Yours Faithfully,
For Jaigad Power Transmissions Limited (JPTL)


Authorized Signatory



Acknowledged and Accepted
For M/s BNC Power Projects Ltd.

Authorized Signatory



Jaigad PowerTransco Limited



A Joint Venture of JSW Energy Ltd. & Maharashtra State Electricity Transmission Co. Ltd.

Regd. Office : JSW Center, Bandra Kurla Complex, Bandra East, Mumbai – 400051. CIN. : U40102MH2008PLC181433

Phone : 022-4286 1000 Fax :022-4286 3000

Annexure -I Price Breakup

SN	Service Description	Qty	UOM	Unit Rate(Rs.)	Total Value (Rs)
1	SCHEDULE- "A" Service Code - 3000123814 (KPI Based SLA -AMC contract for Preventative ,Breakdown & Predicative Maintenance of 400 KV D/C (Quad Moose) Transmission Lines & its associated bays package for 03)	12	EA (Months)	7,00,000	84,00,000
2	SCHEDULE- "B" Service Code - 3000110877 (Attending breakdown maintenance /outage works (Restricted to 10% of Schedule-"A")	1	EA		8,40,000
	Basic Value (Rs.)				92,40,000
	GST Extra@18% or as applicable				16,63,200
	Landed Cost for 1st year -(LCITC)				1,09,03,200
	Landed Cost for 1st year -(LCITC) Rs. In Cr.				1.09
	Escalation for 2nd Year-%			5%	5,45,160
	Landed Cost for 2nd year -(LCITC)				1,14,48,360
	Escalation for 3rd Year -%			5%	5,72,418
	Landed Cost for 3rd year -(LCITC)				1,20,20,778
	Landed Cost for all 3 years -(LCITC)				3,43,72,338

Project Off: JPTL, Off Chiplun-Guhagar Road, At-Mirjoli, Tal-Chiplun-415 605



Sr. No	PARTICULARS	Qty		Final rate
Breakdown maintenance/ outages works				
1	Mobilization and Demobilization of T&P, labours to the site location to attend "Breakdown", " Emergency" and "planned outage" (applicable for minimum 20 labours)	1	This line items in only for mob & demob / person	2,133.00
2	Replacement of Insulator Strings : (Porcelain to Porcelain)			
a	Replacement of Suspension/ Pilot string Insulators (SSN/DSN) for D/C lines (120kN)*	1	rate / string	9,000.00
b	Replacement of Tension string insulators insulators (Quad Tension) for D/C line (160kN)**	1	rate / string	12,000.00
3	Replacement of Insulator Strings : (Porcelain to Polymer)			
a	Replacement of Suspension/ Pilot string Insulators (SSN/DSN) for D/C lines (120kN)*	1	rate / string	7,900.00
b	Replacement of Tension string insulators insulators (Quad Tension) for D/C line (160kN)**	1	rate / string	9,900.00
4	Replacement of Insulator Strings : (Polymer to Polymer)			
a	Replacement of Suspension/ Pilot string Insulators (SSN/DSN) for D/C lines (120kN)*	1	rate / string	7,600.00
b	Replacement of Tension string insulators insulators (Quad Tension) for D/C line (160kN)**	1	rate / string	9,200.00
5	Head loading charges for unapproachable tower locations excluding complete tower material (in case of insulator replacement, conductor/earthwire snapping & other repair works) beyond 500 mtr distance from end of motorable Road to respective tower location	1	Hed loading charges	42,000.00
6	Fixing/crimping of compression type clamps and connectors			
a	Fixing of repair sleeves for 0.5 ACSR	1	Fixing charges / qty	900.00
b	Fixing of Mid span Joint to 0.5 ACSR	1	Fixing charges / qty	1,800.00
c	Fixing Jumper Cone suitable for 0.5 ACSR	2	Fixing charges / qty	4,400.00
d	Fixing Quad Tension Hardware suitable for 0.5 ACSR	1	Fixing charges / qty	9,000.00
e	Fixing Single suspension hardware suitable for 0.5 ACSR	1	Fixing charges / qty	4,500.00
f	Fixing double suspension Hardware suitable for 0.5 ACSR	1	Fixing charges / qty	5,500.00
g	Fixing Palm to suit 0.5 ACSR	1	Fixing charges / qty	1,800.00
h	Fixing of T connectors suitable for 0.5 ACSR	1	Fixing charges / qty	1,200.00
i	Fixing / Tightening S. S. Nut bolts	1	Fixing charges / qty	300.00
7	Dismantling and Destrining of the conductor			
a	For S/C on D/C other ckt live	1	per mtr	120.00
8	Restrining of the Conductor			
a	For S/C on D/C other ckt live	1	per mtr	120.00
b	For jumper conductor	1	per jumper	8,000.00
9	Dismantling and Destrining of overhead eathwire			
a	For S/C on D/C other ckt live	1	per mtr	90.00
10	Restrining of overhead earthwire			
a	For S/C on D/C other ckt live	1	per mtr	95.00
11	Replacement of rusted /damaged 'D' shackle/ ball socket/hooks			
a	Suspension/Pilot assembly	1	hardware replacement	2,500.00
b	Tension assembly	1	hardware replacement	8,000.00
12	Cold line washing (manually) of all types of insulators of 400KV lines.			
a	Suspension insulators	1	per /string	600.00
b	Tension insulators	1	per /string	690.00
c	Chemical washing of insulators	1	per /string	990.00
13	Fixing of Tower accessories			
a	Fixing of anti climbing device (ACD) (along with angles wherever required)	1	per sct (supply of wire will be in JPTL scope)	4,500.00
b	Fixing/ Tightening of Twin spacer, Rigid Quad spacer, spacer damper etc	1	per no	1,950.00
c	Fixing/ Tightening of Vibration damper suitable on 7/3.66 GS earth wire	1	per no	700.00
d	Fixing/ Tightening of flexible copper bond	1	per no	350.00
e	Fixing/ Tightening of Jumper/clamps Nut Bolt	1	per circuit	200.00
f	Fixing/ Tightening of arcing horn	1	per no	450.00
g	Fixing/ Tightening of Corona ring SSN/Pilot, DSN & Quad Tension	1	per no	2,300.00
14	Replacement of rusted/ damaged/missing members & Fabrication(whenever required)	1	per no	1,900.00
15	Measurement of Sag between phase to phase, & phase to ground, phase to HT/LT Crossing with measurement kit	1	per span	4,900.00
16	Hotline maintenance of line/bay equipments (ie.fixing/tightness of Jumper bolts, clamps of hanger rods, PG isolator etc).(Minimum 3-4 clamps shall be attended in a day)			
a	Mobilisation & de mobilisation charges	1	Mob-Demob Per person	6,000.00
b	Highly skilled certified manpower for hotline works	1	per Mdy	3,000.00
17	Tower earthing as per JPTL specification			
a	Installation of Counter poise type Including all materials	1	per no	6,300.00
b	Installation of Pipe type including complete set of material	1	per no	7,800.00
18	Fabrication of tower material for matching any shortfall tower members, cleats, plates inclusive of labour and T&P complete	1	Per Nos	980.00
19	Providing need based services			
a	Providing skilled manpower including all necessary safety PPE's on need basis	1	per ndy	850.00
b	Providing un-skilled manpower including all necessary safety PPE's on need basis	1		750.00
c	Providing skilled driver (Heavy vehicle license holder)	1		950.00
d	Hiring of farana for store related works (rate per hour)	1	per hour	8,000.00
e	Hiring of extra vehicle on need basis (Min 200 km, 12 hrs)	1	per day (12 hours duty)	4,500.00
Total				206,718.00

