



भारतीय विमानपत्तन प्राधिकरण  
AIRPORTS AUTHORITY OF INDIA

No : AAI/ NATS/E-E/AMC-LT Panel/2020-21/WO-06/

Date : Sep 2020

To,

M/s Shiva Engineering Company,  
S-191-C, 1st Floor, School Block,  
Main Mother Dairy Road, Shakarpur,  
Delhi - 110 092  
Email : [shivaengg.co@gmail.com](mailto:shivaengg.co@gmail.com)

**Subject :** Annual Maintenance & Servicing Contract of L.T. Panels, ACBs & Protective Relays for 02 years at NATS Sub Stations, IGI Airport and CATFM Building, Vasantkunj, New Delhi (2020-22)

**Reference** : 1) Your E-tender opened on 09.09.2020

Dear Sir,

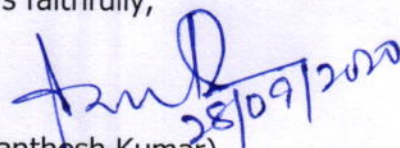
1. Your e-bid for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rate quoted by you totaling to Rs. 10,00,430/- (Excluding GST) which is 4.80% above the Justified Cost of Rs. 9,54,592/- (Excluding GST).
2. Asstt. Gen. Mgr. (E-E), AAI, New ATS Complex, shall be the Engineer-In-Charge of the work. You are requested to attend the office of Asstt. Gen. Mgr. (E-E), AAI, New ATS Complex, within ten days from the start of work (as per this work order) to sign and complete the Contract Agreement. The Contract Agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit Rs. 10,004/- towards Security Deposit within 10 days from the date of issue of this letter. In case the Security Deposit is in the form of Bank Guarantee / FDR, it should be issued from scheduled bank but not from Co-operative / Gramin Bank and it should be valid for the contract period + 6 months i.e. 2 ½ years. Failing submission of Security Deposit, the security Deposit @ 10% will be deducted from the running bill. The security deposit shall be refunded only after satisfactory completion of defects liability period.
4. You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages act and rules thereof Central and State Governments.

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5. You are also directed to contact Manager (E-E), AAI, New ATS Complex, immediately who will arrange to hand over the site to you.
6. Please note that the time allowed for carrying out the work shall be **02 Years** and same shall be reckoned with effect from **01.10.2020**.
7. Any further correspondence in connection with the contract should normally be addressed to Asstt. Gen. Mgr. (E-E), Airports Authority of India, New ATS Complex, IGI Airport, New Delhi – 110037.
8. The rates are inclusive of all taxes, duties, Cess, fees, royalty charges etc. levied under any statute but exclusive of GST (as applicable). The agency has to submit the bill, Tax invoices along with all necessary documents for preparing bill by this office.
9. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.
10. All the letters referred above shall form part of Contract Agreement.
11. The defects liability period is **Six Months** from the date of completion of the work.

Thanking You.

Yours faithfully,

  
(K Santhosh Kumar)  
Asstt. Gen. Mgr. (E-E)  
AAI, NATS Complex

**Enclosure** : Schedule of Quantities (Two Page)

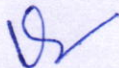
**Copy to** :

1. Jt. Gen. Mgr. (F&A), AAI, Operational Office Complex, Rangpuri, New Delhi.
2. Jt. Gen. Mgr. (Engg. - E), AAI, Operational Office Complex, Rangpuri, New Delhi.
3. Manager (E-E), AAI, NATS, Complex, New Delhi.
4. Office of the Labour Commissioner, Jeevan Deep Building, 4<sup>th</sup> Floor, Parliament Street, New Delhi – 110001.
5. Chief Executive Officer, EPFO, Head Office Bhavishya Nidhi Bhawan, 14-Bhikaji Cama Place, New Delhi – 110066.
6. Agreement Copy.

## SCHEDULE OF QUANTITIES

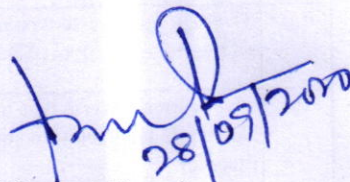
**Name of work :** Annual Maintenance & Servicing Contract of L.T. Panels, ACBs & Protective Relays for 02 years at NATS Sub-Stations, IGI Airport and CATFM Building, Vasantkunj, New Delhi (2020-22).

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit | Qty. | Rate (Rs.) | Amount (Rs.) |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|--------------|
|        | <b>SH-I : NATS COMPLEX</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      |            |              |
| 1      | Annual Maintenance and servicing of MV/LT panel consisting of Non-Essential panel and double side Essential panel, capacitor bank i/c control wiring, relays etc. at sub-station as per maintenance schedule /scope of work including attending complaints/breakdown whenever required and scheduled visit by deputing the manpower including the submission of servicing report, etc. excluding circuit breaker service complete as required & as per specification . (Remarks : The spares & electrical parts shall be supplied separately by the agency as and when required on payment basis). (service two times in a year). |      |      |            |              |
| a      | LT panel L&T make :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |            |              |
|        | Non essential with 2 nos. Incomer, 2 nos. O/G feeder to Essential panel, 01 buscoupler, 09 O/G feeder i/c control relays , ammeter, voltmer, Indication lamps etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |            |              |
|        | Essential panel with 2 nos. Incomer, 2 nos. Buscoupler, 03 nos. incomer from DG, 30 O/G feeder i/c control relays , ammeter, voltmer, indication lamps etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Job  | 1    | 236898.00  | 236898.00    |
| 2      | Annual Servicing of LT panel of Air Circuit breaker of 1600A, Make L&T as per scope of work including attending the complaints whenever required and normal visit and submission of servicing report (service two times in a year).                                                                                                                                                                                                                                                                                                                                                                                               | Nos. | 3    | 20330.00   | 60990.00     |
| 3      | Annual Servicing of LT panel Air Circuit Breaker 3200A, Make L & T as per scope of work including attending the complaints whenever required, normal visit and submission of service report (service two times in a year).                                                                                                                                                                                                                                                                                                                                                                                                        | Nos. | 10   | 33619.00   | 336190.00    |
| 4      | Testing and calibration of following type of relays installed in HT panel, LT distribution panel at NATS Bldg., as per the approved relay testing format ( The calibration report of relay testing equipment shall be submitted by Agency before start of calibration) and submission of the testing report to Engineer-In-Charge etc complete as required and as per specifications.                                                                                                                                                                                                                                             |      |      |            |              |
| (a)    | Over current inverse type relay ( 1 set comprises -3 Nos. Over current relay) complete in One set treated as One Job. (CDG type, Make -English Electric).                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Job  | 4    | 1344.00    | 5376.00      |
| (b)    | Over current inverse type and earth fault relay ( 1 set comprises -2 Nos. Over current relay+ 1 No. Earth fault relay) complete in One set treated as One Job. (CDG type, make -English Electric).                                                                                                                                                                                                                                                                                                                                                                                                                                | Job  | 4    | 1344.00    | 5376.00      |
| (c)    | Trip circuit supervisory relay/ control relay/definite time relay/tripping relay ( Type- VAXMK-II/VAJC/VTT/VAJ, Make -English Electric).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Job  | 36   | 1344.00    | 48384.00     |
| (d)    | Instantaneous Under Voltage relay ( Type VAG/VAGM, Make - English Electric/ Alstom).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Job  | 21   | 1344.00    | 28224.00     |
| (e)    | Earth fault relay, Type -CDG,Make -Alstom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Job  | 4    | 1344.00    | 5376.00      |



| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unit | Qty. | Rate (Rs.)     | Amount (Rs.)      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------------|-------------------|
| 5      | Repairing of 3200 Amps, Air circuit breaker with replacement of following items and making the ACB in serviceable condition complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      |                |                   |
|        | (a) CNCS 400C Pole Assembly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Nos. | 1    | 111724.00      | 111724.00         |
|        | (b) Spring Charger motor 240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Nos. | 1    | 19582.00       | 19582.00          |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |                |                   |
|        | <b>TOTAL OF SH-I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |                | <b>858120.00</b>  |
|        | <b>SH-II : CATFM Building</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |                |                   |
| 1      | Annual Maintenance and servicing of MV/LT panel consisting i/c control wiring, relays etc. installed at CATFM as per maintenance schedule / scope of work including attending complaints / breakdown whenever required and scheduled visit by deputing the manpower including the submission of servicing report etc excluding circuit breaker service complete as required & as per specification ( <b>Remarks</b> : The spares & electrical parts shall be supplied separately by the agency as and when required on payment basis). (service two times in a year)<br><br>LT Panel L&T make 5 sections | Job  | 1    | 59920.00       | 59920.00          |
| 2      | Annual Servicing of LT Panel Air Circuit breaker of 800A make L&T as per scope of work including attending the complaints whenever required and normal visit and submission of servicing report (Service two time in a year)                                                                                                                                                                                                                                                                                                                                                                             | No.  | 3    | 20330.00       | 60990.00          |
| 3      | Annual Servicing & Testing Change over panel 400 Amp, ATS as per scope of work including attending the complaints whenever required normal visit and submission of service report (service two in a year).                                                                                                                                                                                                                                                                                                                                                                                               | No.  | 2    | 10700.00       | 21400.00          |
|        | <b>TOTAL OF SH-II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |      |                | <b>142310.00</b>  |
|        | <b>SUMMARY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |                |                   |
|        | SH-I : NATS COMPLEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |                | 858120.00         |
|        | SH-II : NATS COMPLEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |                | 142310.00         |
|        | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |                | <b>1000430.00</b> |
|        | <b>GROSS TOTAL FOR 02 YEARS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |                |                   |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      | <b>SAY RS.</b> | <b>1000430.00</b> |

**Note :** The rates are inclusive of all taxes, duties, Cess, fees, royalty charges etc. levied under any statute but exclusive GST (as applicable).

  
 (K Santhosh Kumar)  
 Asstt. Gen. Mgr. (E-E)  
 AAI, NATS Complex

**Signature Not Verified**

Digitally signed by K SANTHOSH KUMAR  
 Date: 2020.09.28 15:29:22 IST  
 Location: eProcurement System for Central PSUs