

ELIGIBILITY CRITERIA OF PARTIES w.r.t. EXPERIENCE

| | |
|---------------------------|---|
| Ref No. | NFL/PT/Elect/Contracts/322 /2021-22 |
| Name of Contract | Rewinding of LT motors,fans & submersible pumps with supply of winding wires &other materials for the year 2021-22 |
| Estimated Cost (One Year) | Rs.–627948.4+GST |

A. Commercial Criteria

| S. No. | Description | Financial Year | Details & documents to be submitted by the contractor |
|--------|--|-------------------------------|---|
| 1 | Average annual financial turnover during last three years ending 31 st March of the previous financial year, at least 30% of estimated cost i.e Rs 1,88,384.52 /- or more | 2017-18 2018-19 2019-20 | |
| 2 | Experience of having successfully completed similar works during last seven years ending the day of month previous to the one in which applications are invited should be either of the following:- | | |
| | a. Three similar completed works each costing not less than 40% amount of the estimated cost. (with performance/completion certificate) i.e. Rs 2,51,179.36 /-or more | 1 | Work Order Ref. No. |
| | | | Name of Company |
| | | | Contract Value |
| | | | Contract Period |
| | | 2 | Work Order Ref. No. |
| | | | Name of Company |
| | | | Contract Value |
| | | | Contract Period |
| | | 3 | Work Order Ref. No. |
| | | | Name of Company |
| | | | Contract Value |
| | | | Contract Period |
| | OR | | |
| | b) Two similar completed work each costing not be than 50% amount of the estimated cost. (with performance/ completion certificate) i.e.3,13,974.2/-or more | 1 | Work Order Ref. No. |
| | | | Name of Company |
| | | | Contract Value |
| | | | Contract Period |
| | | 2 | Work Order Ref. No. |
| | | | Name of Company |
| | | | Contract Value |
| | | | Contract Period |
| | OR | | |
| | c) One similar completed work costing not less than 80% of the estimated cost. (with performance/ completion certificate) i.e Rs 5,02,358.32/- or more | 1 | Work Order Ref. No. |
| | | | Name of Company |
| | | | Contract Value |
| | | | Contract Period |

B. Technical Criteria

Work Order with detailed technical scope of work indicating experience related to scope of work should be submitted along with Performance & Completion Certificate.

NOTE:

1. Similar Work means rewinding of LT motors, transformers, fans & submersible pumps etc. work employing same technology and skill but quantities can vary.
2. Self-attested documentary evidences for Annual Turnover to be enclosed.
3. Self-attested documentary evidences for Work Orders given above to be enclosed.
4. Self-attested documentary evidences for Performance/Completion Certificate of above given Work Orders to be enclosed.

Signature of the Tenderer / contractor with seal

INFORMATION REGARDING TENDERER

| A) In case of individual | | |
|--|---|--|
| i) | Name of Business | |
| ii) | Whether his Business is registered | |
| iii) | Date of commencement of business | |
| iv) | Whether he pays Income-Tax over Rs. 10,000/- per year | |
| B) In case of Partnership | | |
| i) | Name of Partnership | |
| ii) | Whether the Partnership is registered | |
| iii) | Date of establishment of firm | |
| iv) | If each of the partners of the firm pays Income-Tax over Rs. 10,000/- a year and if not which of them pays the same | |
| C) In case of Limited Liability Company or Company Limited by Guarantee | | |
| i) | Amount of paid up capital | |
| ii) | Name of Directors | |
| iii) | Date of Registration of Company | |
| iv) | Copies of the last two years' Balance Sheets of the Company | |

(SIGNATURE OF TENDERER)

Name _____

Date _____

SCOPE OF WORK**FROM ITEM NO 1.0 TO 2.6****Scope of Work for Rewinding of LT motors & Fans (With Winding wires and other materials)**

The scope of work shall be

1. Rewinding of Ceiling Fan/Kitchen Fan/Air Circulator/Exhaust fans of any rating or kind,
2. Rewinding of Single Phase motors of any rating or kind
3. Rewinding of 415V, 50 Hz, three phase Induction motors of any type, i.e. Ordinary, Flameproof, Increased safety etc. having rating as mentioned in the schedule of rates and quantities.

Major activities are given as detailed below. However, it also includes any other related activity to complete the job.

Major activities for this job are given in detail below. Faulty Motor/Fan will be checked in NFL workshop for winding fault before handing over to contractor. Motor will be dismantled by the contractor in E/workshop / Party works (as per sole discretion of Engineer in charge) and stator will be handed over to contractor for rewinding at his works after checking. Complete motor along with bearing shall be given to party for completion of job. However, it also includes any other related activity to complete the job.

Cleaning of the Motor, Fan:Thorough cleaning of complete motor with wire brush, Rust removal, fan before opening to remove all accumulated dirt etc.Improper cleaning of the motor will not be accepted & will be send back to contractor for proper cleaning.

Dismantling of the Motor, FanAfter dismantling, all the parts i.e. nut bolts, end cover etc. shall be kept at proper place dipped in Rust remover. Abnormality, if any, requiring mechanical help, is to be informed to the Engr-in-charge.

Jobs on Stator

- a) Removal / stripping of old burnt / defective winding. (The coils to be removed carefully conductor by conductor so as to prevent damage to the slots.)
- b) Cleaning of slots with benzene or equivalent.
- c) Rewinding of the stator as per original data including brazing of connecting leads (Brazing is in NFL's Scope) and terminating the same in the terminal box.
- d) Preheating (2 hrs), varnishing (Contractor's Scope) and drying(for 6 hrs) the stator.
- e) Measurement of Winding resistance and Insulation resistance of rewound stator. The winding resistance shall be balanced as per IS 325.
- f) All data of winding shall be recorded in the enclosed Performa's and to be submit for approval.
- g) Rebuilding / repair of slot (limited to 1 sq in). Material for Rebuilding/repair of slot is in Party's scope

Jobs on Rotor

- a) Cleaning and visual inspection for any damage of the rotor & other parts.
- b) Cleaning and greasing of bearings.

- c) Replacement of bearings, as per instructions of Engineer In charge.

Assembly & Testing

- a) Assembly of the Motor.
- b) Testing of the motor. (Insulation resistance, Winding resistance, Inductance and no load trial run) in the presence of Engr-in-Charge and shall be recorded in the enclosed Performa A. The Performa shall be submitted for approval by the contractor.
- c) If No load test results are found not satisfactory then party has to rework the complete motor free of cost within stipulated time.

Material

All the materials like Freon and chemical resistant class-H super enameled copper wire, insulation materials, Elmotherm FR 63 varnish, fiber glass sleeve, lead wires, copper lugs & other consumables will be in the scope of contractor and scrap materials recovered from motor is to be retained by contractor. If bearing are defective, the bearing will be supplied by NFL during normal working hours, i.e. 0800 hrs to 1700 hrs only. All consumables such as Nut bolts, Rust remover, Sprays etc are in Party's scope. Tools like Spanner (All Sizes), bearing Puller, Induction heaters, Multi meter & Temperature gun (For sensing motor bearing temperature & body Temp.) are in Contractor's scope.

Copper winding wire: Copper winding wire, chemical resistant, super enameled, class-H, Polyester (Imide) and Polyamide –Imide as per IS -13730 PART-XIII, Of Milan, Precision, BIC Make only. The contractor shall submit copy of procurement of winding wire bill in this regard.

Varnish : Baking type Dr. Beck Elmotherm FR63 shall be used by the contractor.

Insulation Materials Best quality material suitable for F Class insulations as per requirement of work having following specifications shall be used by contractor.

- a) Leatheorid papers of 0.2 to 0.3 mm thickness.
- b) Polyester papers of 0.2mm thickness (Minilex) of Micanite.
- c) Polyamide (Nomex) insulating paper for Class 'F' of thickness 0.2 to 0.3 mm for slot insulation and phase separation of Kremphel or Trivollon.
- d) Polyamide base PVC coated insulating paper of thickness 0.2 to 0.3 mm for slot insulation and (7 to 12 mils) phase separation for Class 'F' Motors.
- e) Empire cloth 0.2 mm thick best quality shall be used.
- f) Wedges –Hylam F Grade (1/8" to 1/6") or fibre glass wedges shall be used.
- g) **Sleeves** Fiberglass sleeves shall be used.
- h) **Wire** Copper flexible wires insulated for F Class shall be used of ICC, NICCO, BIC and National Make. The size of the lead wire shall be adequate to the current rating of motor.
- i) Connecting Lugs Copper Lugs shall be of Dowell Make of appropriating rating. Lugs shall be connected to the leads by standard engineering practices of jointing and soldering.
- j) The motors shall be rewinded by use of winding wires and insulating materials of correct specifications and make as specified above. The coil connections shall be made by brazing using Indian Oxygen make RUPTUM' brazing wires. Tinning shall not be permitted for coil connections. The ends of winding shall be brought to the terminal box with sleeved leads of proper size. It shall not be brought to the terminal box directly with winding wire. These ends shall be properly marked for connections.

- k) In ID fan motor -55 KW and Centrifuge motor-60 KW of urea plant the lead length is 1.75 meter having size 50 mm square. Party shall ensure to provide the same length and size of lead after rewinding job has completed.

Workshop Facility: Motor will be dismantled in NFL workshop / Party works (as per sole discretion of Engineer in charge) by the contractor and stator will be handed over to the contractor. Complete motor along with bearing shall be given to party for completion of job. Rewinding Job shall be carried out at party's works. Party must have the infrastructure for drying/heating the varnish of wound motor stator (maximum 160 KW rating) at their works. Party must provide the relevant documents as a proof of heating oven. NFL will visit their works for the witness of oven and other facilities for validation. Bearing replacement and reassembly of the motor will be done in NFL workshop/at party's workplace in presence of NFL representative.

Transportation: Transportation of the Motors/Fans/Rotors to party's works and back to NFL will be in the scope of the party. No charges will be payable on this account.

Tools & Tackles: All tools and tackles for the job, i.e. making of coils, rewinding, binding, coil and lead connections are in the scope of the contractor.

Technicians: The technicians / motor winders shall have minimum 5 yrs experience with minimum ITI qualification or equivalent.

Scrap: All copper scrap shall be retained by the party.

Discount: Special Discount has to be given on account of recovered copper material from old/burnt winding of the motor.

FROM ITEM NO 2.71 to 2.76

The scope of work shall be as mentioned below:

Cleaning of the Motor, Fan: Thorough cleaning of complete motor with wire brush, Rust removal, fan before opening to remove all accumulated dirt etc. Improper cleaning of the motor will not be accepted & will be send back to contractor for proper cleaning.

Proper Brazing of Leads to be done in case flash/ carbonization found on the leads by the contractor.

Repairing of Lead with standard PTFE i.e. Poly Tetra Flouro Ethylene leads with following specifications:

Temperature Range: -80 degree Celsius to 200 degree Celsius

Conductor: Nickel or Silver plated copper

Insulation: PTFE

Contractor has to submit sample of PTFE wire/leads to Engineer in charge for approval before start of Work. Engineer In charge has the right to reject leads on inspection basis & contractor has to change the lead as per recommendations of Engineer In charge.

FROM ITEM NO 4.0 TO 5.0

Scope of work and other Technical specifications for the job of Repair and rewinding of

Submersible pumps.

1. **Scope of Work**: Dismantling of the pump, rewinding of motor including PVC winding wire, assembly and testing of the pump. Supply of spare parts like-mechanicals seals, copper lugs, SS nut bolts, O-Rings, bearings are in party scope.
2. **Workshop Facility**: Job shall be carried out at party's site. Testing will be done at NFL.
3. **Transportation**: Transportation of the pump to party's works and back to NFL will be in the scope of the party. No charges will be payable on this account.
4. **Scrap**: All copper and bearing scrap shall be retained by the party.

FOR ITEM NO 6.0

Scope of Work for Staggering Work of rating upto rating 160kW

1. Dismantling of the entire core laminations of the stator.
2. Staggering, deburring and smoothening of all the core stampings.
3. Cleaning of old varnish, insulation with core plate varnish and baking etc.
4. Assembly of the stator core after suitable axial and radial staggering, compressing of the core, aligning of the stator slots and locking of the core in position.
5. Testing of the repaired core for hot spot with flux loop test. Party shall submit the report with material one day before giving back the motor to NFL. Party shall submit thermal imaging of stator to NFL.
6. Motor will be assembled by contactor at NFL Work Shop/ Party works. Trial run and NDT of motor would be carried out in presence of NFL representative.
7. Material would be cleared on successful running of the motor.
8. The contractor shall make his own arrangement for To and Fro Transportation of the material at his own cost.
9. Job is to be completed within 30 days after lifting the material from NFL.
10. NFL Engineer In charge will certify the quality of work performed by the party.

FOR ITEM NO 7.0

Scope of Work for Rewinding of Small/Control Transformer up-to rating 1000 VA

1. Removal / stripping of old burnt / defective winding. (The wires are to be removed carefully so as to prevent damage to the core.
2. Rewinding of the core as per original data (copper wire size and no. of turns) and terminating the same in the terminal box. Utmost care shall be taken by the party to rewind the supplied Transformer exactly as per turns and copper wire size given in the transformer.
3. Preheating, varnishing and drying the core with winding.
4. Class-F super enameled copper wire of BIC/Milan OR Precision make only. The scrap copper wire shall be retained by the party.
5. The varnish used in the transformer shall be Dr. Beck Elmothem FR63 Make only. Fiberglass sleeve and paper used shall suitable for insulation of H class only.

6. Party shall give detailed report of no of turns and different sizes of copper wire used.
7. To and Fro Transportation of the material is in the scope of party.
8. The voltage input and output shall be same as per tap voltage indicated in the transformer Terminal Box.
9. Job completion time shall be 10 days.

FOR ITEM NO 8.0

Scope of Work for Rewinding of Transformer from rating 1000VA to 2500 VA.

Rewinding of all three phases of the transformer (primary and secondary side). The insulation Class used for the transformer should be of F-Class for both individual turn and between concentric winding turns and phases maintaining the same no. of taps and turns. The copper wire size used shall be of same gauge of BIC /Precision make only.

- I. Any minor fault observed in core while doing the maintenance job shall be corrected by the party itself.
- II. Tools, tackles and testing kit, required for the job are in the scope of the party.
- III. Any other job to rehabilitate the transformer to its rated performance is in party's scope.
- IV. Job completion time shall be 15 days from the handling of the material to party.
- V. Final trial transformer at rated voltage and frequency.
- VI. Old material will be kept by the party itself with their rates adjusted in the overall repair and rewinding cost.
- VII. Party shall provide the details of the copper wire used, number of turns used for rewinding.
- VIII. Transportation from NFL site to party works and back to NFL site is under party's scope.

TEST REPORTS:-

Following test reports shall be submitted for approval through e-mail before dispatch of transformer. However, hand copy shall be supplied along with transformer.

- I. Test reports of transformer winding resistance and inductance for all three phases for both primary and secondary winding.
- II. Test report of voltage ratio test & magnetic balance.
- III. Insulation test and magnetizing current.

FOR ITEM NO 9.0

Scope of Work for Rewinding of Vibrating coils/Winch coils.

1. For vibrating coil; Copper winding wire wt. is app. 7 kg. Turns are 315 and cotton covered copper wire of size 13 SWG is used. In winch coil; Copper winding wire wt. is app. 4 kg. Copper winding wire of size 27 SWG is used. The complete assembly of the winch coil shall be filled with epoxy for insulation. Rating of winch coil is 100Watt; operating voltage is 190 volt DC.
2. Dismantling of the coil, taking out the damaged coils.
3. Rewinding of coils with new copper conductor of electrolytic grade with 99.9% purity. Copper winding wire shall be chemical resistant, super enamelled, class-H, Polyester (Imide) and Polyamide –Imide as per IS -13730 PART-XIII, Of Milan, Precision, BIC Make only.
4. Party shall submit copy of procurement of winding wire bill in this regard.

5. Conductor should be exactly same in shape, type and size with similar no. of turns and ID and OD of the coils as per the damaged coils given.
6. Party has to re-varnish the core with class F varnish.
7. Assembly of the cores and mounting of coils thereon shall be done.
8. Testing of the coils shall be done. Party shall give the complete detailed test report of coils with nos. of turns, ID, OD and copper wire type and used size. etc.
9. Vibrating coil & winch coil shall be installed at site and shall be tested on load.
10. Job is deemed to be completed after successful running of the coil.
11. The contractor shall make his own arrangement for To and Fro Transportation of the material at his own cost.
12. Job is to be completed within 7 days after lifting the material from NFL.
13. Copper is to be retained by the party.

FOR ITEM NO 10.0

Scope of Work for Rehabilitation of rotor shafts up-to rating 160 KW.

1. Complete rotor with shaft and damaged part of shaft will be taken by the party at his works.
2. Removing of complete damaged shaft from rotor assembly.
3. Preparing drawing after taking dimensions of the removed shaft.
4. Fabrication of the new shaft as per dimension and drawing of old shaft. Material of Construction should be Carbon Steel EN24.
5. Ultrasonic test should be carried out to check for any cracks.
6. Trueness of shaft and complete rotor should be checked & report of trueness of shaft with permissible tolerances should be submitted one day before giving back the rotor shaft to NFL.
7. Assembly of the new shaft in the rotor as per old rotor.
8. Complete Rotors Dynamic Balancing should be carried out after assembly at **ISO G2.5**.
9. Return the complete rotor fitted with new shaft to NFL stores.
10. Old removed shafts shall be retained by the party.
11. Dynamic Balancing, Trueness checking, Material construction, Ultrasonic Test reports and Drawing of shaft with material should a be submitted one day before giving back the rotor shaft to NFL.
12. Motor will be assembled by party with supplied rotor shaft at NFL Work Shop/ party works. Trial run and NDT of motor would be carried out.
13. Material would be cleared on successful running of the motor as per recommendation made by NDT department of NFL.
14. The contractor shall make his own arrangement for To and Fro Transportation of the material at his own cost.
15. Job is to be completed within 30 days after lifting the material from NFL.

FOR ITEM NO 11.0

Scope of Work for Dynamic Balancing of rotor with fan of motor rating up-to 160KW.

1. Party shall do the job of dynamic balancing for the rotor with fan.
2. Party shall give the Dynamic Balancing Test result both before and after the dynamic balancing of the rotor.
3. Motor will be assembled by the party with supplied rotor shaft at NFL Work Shop/ party works. Trial run and NDT of motor would be carried out.
4. Job is deemed to be completed after clearance from NFL NDT Department.
5. The contractor shall make his own arrangement for To and Fro Transportation of the material at his own cost.
6. Job is to be completed within 5 days after lifting the material from NFL.

NATIONAL FERTILIZERS LTD, PANIPAT UNIT, ELECTRICAL WORKSHOP

Job order cum test report for Motor rewinding.

| | | | |
|--------------------|--|------------|--|
| Name of contractor | | | |
| Job order No | | Date | |
| Motor Details | | | |
| Plant | | Tag No. | |
| Sl No. | | Voltage | |
| Current | | RPM/ | |
| KW | | Phases | |
| Make | | Frame | |
| Insl class | | Connection | |

Details of Winding:

| | | | |
|-------------|--|------------------------------|--|
| Wire size | | No of conductors in parallel | |
| No of slots | | No of turns / coil | |
| Coil span | | No of coils / set | |

| | | |
|---------------------|------|----------|
| Assembly | Done | Not done |
| Bearing replacement | Done | Not done |
| Bearing Nos | DE | NDE |

Test results

| | | | | | |
|---------------------------|----|----|-----------------|----|----|
| IR value with 500V Megger | | | | | |
| RE | YE | BE | RY | YB | BR |
| | | | | | |
| Resistance per phase | R= | | Y= | | B= |
| Inductance Per Phase | R= | | Y= | | B= |
| No load Test | | | | | |
| Voltage applied | | | No load current | | |
| RY | YB | BR | R | Y | B |
| | | | | | |
| Remarks: | | | | | |

Test Report accepted

| | |
|--------------------|------------|
| Engr-in-charge NFL | Contractor |
|--------------------|------------|

SPECIAL TERMS & CONDITIONS OF THE CONTRACT

Rewinding of LT motors,fans & submersible pumps with supply of winding wires & other materials for the year 2021-22

1. **EMD & Tender Fees:**
Tenderers shall submit a bid security declaration form as BSD on their letter head and Rs. **250/-** as Tender Fees in the manner as specified in clause No.1.8.1 of GTC. There is no exemption of Tender fee being works contract on production of MSME certificate.
2. **Validity of Contract:**
The contract shall remain valid for a period of 12 months and clause No. 1.23.0 of GTC shall be applicable.
3. **Defect liability Period:**
The contractor shall give the guarantee for the work done for a period of TWELVE MONTHS from the date of handing over the equipment at NFL and clause No. 1.29.0 of GTC shall be applicable.
- 3a. **Security Deposit :**
Security deposit @3% of gross value of contract would have to be deposited by contractor within 10 days from date of issue of LOI/WO. No interest would be payable on security deposit. Any amount recoverable from contractor shall be deducted from security deposit. The SD shall be refunded after defect liability period as specified in para 3 of STC.
4. **GST :** GST shall be paid extra. Clause given in NIT/GTC shall be applicable.
5. **TDS:** TDS @ 2% (1% CGST and 1% SGST or 2% IGST) shall be deducted as per provisions under GST act in case taxable contract value of services/goods or both is more than Rs2.5 lakhs.
6. **Penalty:**
 - (a) In case the given job is not completed within normal scheduled delivery period, a penalty will be imposed @ 1% per day or part thereof subject to a maximum of 10% of the total value of work.
 - (b) In case of Urgent delivery job, if the work is not completed within urgent schedule delivery period, apart from non-payment of urgent charges in addition to penalty of 2 % per day will be applicable after the time schedule for urgent delivery subject to maximum of 10% of the value of the total value of work.
7. **Indemnity Bond:** Contractor has to submit indemnity bond of Rs 1 lacs as mentioned at Clause No.1.56.0 of GTC) **Indemnity Bond Performa will be provided by NFL.**
8. **General:** All works shall be carried out as per the best engineering practice and as per technical specifications enclosed herewith to the satisfaction of the Engr-in-charge. Decision of NFL regarding acceptability of specifications and category of work shall be final and binding.
9. **Discount:** Special Discount has to be given on account of recovered copper material from old/burnt winding of the motor
10. **Delivery Period:**
The job of rewinding of motors will be intimated to the contractor through telephone or Fax. The contractor shall regularly keep in touch with the Engr-in charge for collection of motors and depute his representative at least once a week for the purpose at no extra cost. The

contractor shall collect and deliver the motors after rewinding during the normal working hours, i.e. 0800 hrs to 1700 hrs only.

The delivery period shall be counted from the next day of informing the contractor till the motor is received and assembled/tested and completed in all respect after rewinding and accepted by Engr-in-charge after testing.

11. Inspection at Works before start of Work by Engineer In charge to ensure proper make & Quality of winding wire will be done. Stamping on winding wire to ensure quality of work should be done by the party.

Normally NFL may give 3 nos. motor for rewinding on normal delivery basis or one motor on urgent delivery basis and alternatively two motors on normal delivery basis or two motors on urgent delivery basis at a time.

Delivery of motors of various ratings shall be as given below:

| S. No | Motor Rating | Normal delivery time | Urgent delivery time |
|-------|---|----------------------|----------------------|
| 1. | Fans of any kind/ Single phase motors | 3 days | 1 day |
| 2 | Lead repair with PTFE leads for MOTORS UPTO 0.5 KW | 2 days | 1 day |
| 3 | Lead repair with PTFE leads for MOTORS ABOVE 0.5 KW UPTO 1 KW | 3 days | 1 day |
| 4 | Lead repair with PTFE leads for MOTORS ABOVE 1 KW UPTO 7.5 KW | 4 days | 2 days |
| 5 | Lead repair with PTFE leads for MOTORS ABOVE 7.5 KW UP TO 30 KW | 5 days | 3 days |
| 6 | Lead repair with PTFE leads for MOTORS ABOVE 30 KW UPTO 55 KW | 6 days | 3 days |
| 7 | Lead repair with PTFE leads for MOTORS ABOVE 55 KW UPTO 160 KW | 6 days | 3 days |
| 8 | Rewinding of motors upto 15 KW | 9 days | 4 days |
| 9 | Rewinding of motors upto 22 KW | 9 days | 4 days |
| 10 | Rewinding of motors upto 30 KW | 9 days | 5 days |
| 11 | Rewinding of motors upto 45 KW | 12 days | 6 days |
| 12 | Rewinding of motors upto 160 KW | 17 days | 11 days |
| 13 | Rewinding of Submersible Pumps | 12 days | NA |
| 14 | Staggering Job of motors rating upto 160kW | 30 Days | NA |
| 15 | Rewinding of Small/Control Transformer upto rating of 1000VA | 10 Days | NA |
| 16 | Rewinding of Transformer from 1000VA to 2500VA | 15 Days | NA |
| 17 | Rewinding of Vibrating/Winch Coil | 7 Days | NA |
| 18 | Rehabilitation of Rotor Shaft upto rating 160 KW. | 30 Days | NA |
| 19 | Dynamic Balancing of Rotor with Fan upto rating 160 KW. | 5 Days | NA |

12. Gate Passes: All tools and materials shall be brought by the contractor to the work site through a covering note. One copy of the same shall be delivered to the security staff at the gate getting it entered and one copy shall be retained by the contractor. All the equipment brought by the contractor to the work site shall be deemed to be the property of NFL and not be removed from the site without the permission in writing from Engr.-in-charge.
13. The contractor shall be responsible for safe custody of motors and other equipment handed over to him. In case of theft or damage, the purchase cost of the equipment plus 25% departmental charges shall be recovered from the contractor. NFL's decision in this regard shall be final, binding and conclusive.
14. Successful party should be required to submit the agreement required as per tender document on the NJSP of the appropriate value which will be applicable at the time of its execution in the state of Haryana.