

# **TENDER**

**SUPPLY AND INSTALLATION OF  
MACHINERY EQUIPMENTS AND HAND TOOLS  
FOR  
ELECTRICIAN TRADE.**

**National Small Industries Corporation Ltd.**

**Technical Services Centre, Howrah**

**P.O. Balitikuri, Japani Gate, Howrah-711 113**

**Tel No. 26538606, 26530304, Fax: - 091-033-26531314**

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**National Small Industries Corporation Ltd.  
NSIC- Technical Services Centre, Howrah  
(A Govt. Of India Enterprise )  
P.O. Balitikuri, Japani Gate, Howrah-711 113**

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**National Small Industries Corporation Ltd.  
NSIC- Technical Services Centre, Howrah  
(A Govt. Of India Enterprise )  
P.o. Balitikuri, Japani Gate, Howrah-711 113**

Ref. No. :- NTSC(H)/ELECTRICIAN /15-16

Dated:-30/01/2016

M/s.

Subject : **Supply of Machines, Equipments and Handtools for ELECTRICIAN Trade.**

Dear Sir,

Tender document (**containing 13 pages**) in respect of the supply of the above-mentioned items, as detailed on **page 2 (Index)** are forwarded herewith. Please note that the sealed tenders duly filled in will be received in the office of the General Manager (SG) on or **before 12.02.2016 up to 16.00 Hrs.** The tender should be signed, dated and witnessed in all pages wherever provided for in the document and also all other pages should be signed by the Authorized Signatory.

The General Manager reserves the right to award the supply order to the tenderer. This letter shall form the part of the contract and must be signed and returned along with the tender documents.

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General Manager (SG)

**National Small Industries Corporation Ltd.**  
**NSIC- Technical Services Centre, Howrah**  
**(A Govt. Of India Enterprise )**  
**P.O. Balitikuri, Japani Gate, Howrah-711 113**

**NOTICE INVITING TENDER**

Sealed tenders are hereby invited under two bids system (Technical bid & Commercial bid) on behalf of GM-SG, NSIC Technical Services Centre (Howrah), Balitikuri, Japani Gate, Howrah from reputed manufacturers/suppliers having supplied similar kind of **Machinery, Equipments and Handtools** as listed in page no. 9, 10, 11, 12 & 13 for **ELECTRICIAN Trade** so as to reach to GM-SG, NSIC-Technical Services Centre (Howrah), Balitikuri, Japani Gate, Howrah up to 16.00 Hrs. on 12.02.2016.

- |    |   |  |
|----|---|--|
| a) | Name of the Supply                                    | <b>Machinery, Equipments and Handtools for ELECTRICIAN trade</b> |
| b) | Estimated Landed Cost at Howrah Centre                | As given in the page no.8  |
| c) | Cost of Tender document                               | Rs. 200/-  |
| d) | Earnest Money Deposit (EMD)                           | Rs. 5000/-   |
| e) | Delivery and Installation Period                      | Within 30 days from release of order                             |
| f) | Last date of submission of completed tender documents | 12.02.2016 up to 16.00 Hrs.                                      |
| g) | Date of opening of Technical Bid                      | 15.02.2016 at 16.00 Hrs.   |
1. Tender Documents may be downloaded from our web site [www.nsic.co.in](http://www.nsic.co.in) or may be collected from our office against payment of Rs. 200/-.
  2. The other Terms and Conditions applicable to this tender have been incorporated in the tender documents.
  3. The Competent Authority reserves the right to reject all or any tender wholly or partly without assigning any reason whatsoever.
  4. Units registered with NSIC, under GP Registration Scheme are exempted from payment of Tender document cost.
  5. No "C" & "D" Form will be issued by us.

**National Small Industries Corporation Ltd.**  
**NSIC- Technical Services Centre, Howrah**  
**(A Govt. Of India Enterprise )**  
**P.O. Balitikuri, Japani Gate, Howrah-711 113**

Ref. No. :- : NTSC(H)/ELECTRICIAN /15-16

Dated:-30.01.2016

**IMPORTANT DATES:**

<b>S.No.</b>	<b>Description</b>	<b>DATE</b>	<b>TIME</b>
1	Publishing Date	01.02.2016	11:30
2	Document Sale Start Date	01.02.2016	11:30
3	Pre Bid Meeting Date	-----	-----
4	Bid Submission Start Date	01.02.2016	12:00
5	Seek Clarification Start Date	01.02.2016	11:30
6	Seek Clarification End Date	12.02.2016	15:00
7	Document Sale End Date	12.02.2016	15:30
8	Bid Submission End Date	12.02.2016	16:00
9	Bid Opening Date (Technical)	15.02.2016	16:00

## **INSTRUCTION TO THE TENDERERS**

1. The Tender shall be submitted in accordance with these instructions and any tender not conforming thereto is liable to be rejected. This instruction shall form the part of the tender and contract.
2. The tender document should accompany the cost of Tender document of Rs. 200/- & EMD Rs. 5000/- by D.D. in favour of **“The National Small Industries Corporation Ltd., Payable at Howrah.**
3. The tender shall be complete with all documents. The tender received without tender fee shall be rejected outright.
4. The tenders shall be submitted in two separate sealed covers in the following manner

Technical Bid – Envelope- 1

Technical bid in one sealed cover containing the forwarding letter of the tender, list of latest customers who have been supplied Plant & Machinery for similar Projects, The Customer Feed Back, detailed description of the system, catalogue containing detail technical specification, list of essential spares to be supplied, ISO certification if any, details of manufacturing facility available in-house etc. along with the Demand draft for tender fee..

Commercial Bid- Envelope- 2

One sealed cover containing Forwarding letter, complete tender document indicating ex-work price, excise duties, sales tax, other duties, Payment terms, freight, delivery period and installation charges, if any.

## **CRITERIA FOR QUALIFYING TECHNICALLY**

The following points shall be considered for qualifying the technical bids.

1. Specification of the Tenderers must match or be nearest to our specified technical specification.
2. Offered system should comprise of latest technology.
3. Tenderers should have sufficient infrastructure to justify their competence of supplying the system. If felt necessary their infrastructure facility shall be inspected by a team of NSIC officers.
4. Tenderers must give the list of customers whom they have supplied similar sort of Plant & Machinery for similar Projects along with their address, name of the contact person and tel. no, e-mail address, Fax etc..
5. If the Tenderers has supplied machinery to NSIC earlier, should provide those details.
6. ISO Certification would give an added weight age marks.
7. **Note:** While assessing technical Competency weight age marks will be assigned for all the above parameters.

**FORM OF TENDER**

The General Manager (SG)  
NSIC- Technical Services Centre  
National Small Industries Corporation Ltd.  
(A Govt. Of India Enterprise )  
P.o. Balitikuri, Japani Gate, Howrah-711 113

**Subject : Supply and Instalation of Machines, Equipments and Handtools for ELECTRICIAN Trade.**

Dear Sir ,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS

1. NOTICE INVITING TENDER
2. INSTRUCTION TO THE TENDERERS
3. FORM OF TENDER
4. TECHNICAL SPECIFICATION AND SCOPE OF SUPPLY
5. COMMERCIAL AND GENERAL TERMS AND CONDITION OF THE SUPPLY

We hereby submit our quoted rates valid for 90 days from the date of submission of tenders. Should our tender be accepted I/We agree:-

1. The tender document along with your letter of award or supply order shall constitute the bind contract between us and NSIC Technical services centre, Howrah.
2. In the event of failure to supply this item in full within the committed delivery period the order will be treated as cancelled.

Supplier's Signature  
With Name & Seal

## **COMMERCIAL AND GENERAL TERMS & CONDITIONS**

**Price:** - Price should be most competitive (EX- WORK PRICE).

**Delivery and Installation Period:** Within 30 days from release of Supply order if delayed 0.5% per week will be deducted from the basic price of the machine.

**Validity of the Offer:** - The offer should remain valid for a period of 90 days.

**Guarantee Period:** - The guarantee period should be minimum **one years** from the date of commissioning of equipment for any kind of defect, fault and malfunctioning.

**Taxes and Duties:** Taxes and duties if any shall be paid extra. No "C" & "D" Form will be issued.

**Transit Insurance:** - The machinery/ Equipment to be insured against damage during transit from the manufacturer's work to Howrah centre and same will be under party scope.

**Freight:** - Freight charges up to Howrah Centre should be at actual and inclusive.

**Packing:** - The machinery/ Equipment shall be properly packed for safe arrival of the machine to Howrah centre.

**Payment Terms:-** In case the offer is accepted, payment would be released as under :

- (A) 50% against the arrival of the item in the Howrah centre and submission of despatch documents.
- (B) 50% balance payment within 30 days after satisfactory installation and commissioning.

**Installation and Commissioning:** The machines have to be commissioned and installed in Howrah centre by the manufacturer/supplier.

While quoting the rate the make of each item like Handtools , Furnace, Lathe m/c , etc. to be mentioned in the offer.



**LIST OF TOOLS AND MACHINERIES IDENTIFIED FOR SETTING  
UP OF ELECTRICIAN TRADE AT NTSC, HOWRAH.**

<b>SI No.</b>	<b>Tools &amp; Equipments for WorkShop</b>	<b>Per Unit Price (Rs.)</b>
1	Steel Tape, 15 m length	
2	Plier insulated 150 mm	
3	Plier side cutting 150 mm	
4	Screw driver 100 mm	
5	Screw driver 150 mm	
6	Electrician connector, screw driver 100 mm insulated handle thin stem	
7	Heavy duty screw driver 200 mm	
8	Electrician screw driver 250 mm thin stem insulated handle	
9	Punch centre 150 mm X 9mm	
10	Knife double bladed Electrician	
11	Neon Tester	
12	Rule steel 300 mm	
13	Hammer, cross peeri 1 1 5 grams with	
14	Hammer ball peen 0.75 kg. With handle	
15	Gimlet 6 mm.	
16	Bradwal	
17	Scriber 150 mm X 0 4 mm (Knurled centre position )	
18	Pincer 150mm	
19	C. Clamp 200 mm, 150 mm and 100 mm. Spanner	
20	Spanner 150 mm adjustable 15 degree	
21	Blow lamp 0.5 litre	
22	Melting pot	
23	Ladle	
24	Chisel cold firmer 25 mm x 200 mm	
25	Chisel 25 mm & 6 mm	
26	Drill Machine hand 0 to 6 mm capacity	
27	Electric drill machine portable 6 mm capacity	
28	Pillar electric drill machine 12 mm capacity	
29	Allen key	
30	Oil can 0.12 litre	
31	Grease gun	
32	Out side micrometer 0 to 25 mm	
33	Bench grinder motorized	
34	Rawl plug tool & bit	
35	Pulley puller	
36	Bearing puller	

37	Pipe vice	
38	Thermometer 0 to 100 deg. Centigrade	
39	Scissors blade 150 mm	
40	Crimping tool	
41	Wire stripper 20 cm	
42	Chisel cold flat 12 mm	
43	Mallet hard wood 0.50 kg.	
44	Hammer Exeter type 0. 40 kg.	
45	Hacksaw frame 200 mm, 300 mm adjustable	
46	Square try 150 mm blade	
47	Divider 150 mm, outside & inside caliper	
48	Plier flat nose 150 mm	
49	Plier gas round nose 100 mm,	
50	Tweezers 100 mm	
51	Snip straight & Snip Bent 150 mm	
52	Spanner D.E. metric standard set	
53	Drill hand brace 0 to 100 mm	
54	Drill S.S. Twist block 2 mm, 5 mm 6 ItUil set of .3	
55	Plane, smoothing cutters, 50 mm	
56	Gauge, wire imperial	
57	File flat 200 mm 2 <sup>nd</sup> cut	
58	File half round 200 mm 2 <sup>nd</sup> cut	
59	File round 200 mm 2 <sup>nd</sup> cut	
60	File flat 150 rough	
61	File flat 250 mm bastard	
62	File flat 250 mm smooth	
63	Rasp, half round 200 bastard	
64	Iron, soldering 25 watt, 65 watt, 125 watt	
65	Copper bit soldering iron 0.25 kg.	
66	Desoldering gun	
67	Vice hand 50mm jaw	
68	Vice Table jaw 100 mm	
69	Pipe cutter to'cut pipes upto 5 cm. dia	
70	Pipe cutter to'cut pipes upto 5 cm. dia	
71	Stock and die set for 20mm to 50 mm G.I. pipe	
72	Stock and dies conduit	
73	Ohm Meter; Series Type & Shunt Type	
74	Multi meter 0 to 1000 M Ohms, 2.5 to 500 volt	
75	Digital Multi meter (3 ½ digits)	
76	A.C. Voltmeter M.I. 0-500 V A.C.	
77	Mill Voltmeter centre zero 100-0-100 m volt	
78	D.C. Milliammeter 0-500 ma	

79	Ammeter MC 0-5 A ,0-15-25 A	
80	A.C. Ammeter M.I. 0-5 A ,0-15-25 A	
81	K.W. Meter 0-1-3Kw	
82	A.C. Energy meter (single phase 5 amp. 230 V)	
83	Single phase power factor meter	
84	Frequency meter	
85	Flux meter	
86	Wheat stone bridge complete galvanometer and battery	
87	Laboratory type induction coil 6 volt to 800-10,000 volt	
88	DC power supply 0 -100 volt, 5 amp	
89	Rheostal 0-1 Ohm, 5 Amp 0-10 Ohm, 5 Amp; 0-25 Ohm 1 Amp; 0-300 Ohm; 1 Amp	
90	Variable auto transformed 0-250 V, 8 amps,	
91	Battery charger with variable output 1 K W	
92	Hydrometer	
93	M.C.B. 16 amp.	
94	Fire extinguisher	
95	Fire buckets	
96	Tacho meter with stop watch	
97	Current transformer	
98	Potential transformer	
99	Growler	
100	Tong tester / Clamp meter 0 - 100 Amp- AC	
101	Megger 500 volts	
102	Contactora 3phase,440volt,16amp.2 NO &2 NC auxiliary contacts	
103	Contactors phase, 440 volt, 32 amp.2NO&2NCa,uxiliary contacts	
104	Limit Switch	
105	Rotary Switch 16A	
106	Load bank- 5 KW( Lamp / heater Type)	
107	Brake test arrangement with two spring balance of 0 to 25 kg rating	
108	Knife switch DPDT fitted with fuse terminals 16 amp	
109	Knife switch TPDT fitted with fuse terminals 16 amp	
110	Voltage stabiliser- Input 150 - 230 volt AC, Output 220 volt AC	
111	Motor generator (AC to DC) consisting of: Motor induction squirrel cage, 7 HP 400 Volts,. 50-cycles, 3-phase with star delta starter and switch directly coupled to DC shunt generator 5 KW 440 volts, and switch board mounted with regulator, air circuit breaker, ammeter, voltmeter knife bh.de switches and fuses, set complete with case iron and plate, fixing bolts, Dundation bolts and flexible coupling.	

112	Used DC generators-series, shunt and eompou.rtd type for overhauling practice	
113	D.C. shunt generator, 2.5 KW, 220 V with control panel	
114	D.C. compound generator, 2.5 K.W. 250 V, with control panel including filed rheostat, voltmeter, ammeter and circuit breaker	
115	Motor series DC, 220 Volt, 0.5 to 2 HP, coupled With mechanical load	
116	Motor shunt DC 220 volt 0.5 to 2 HP coupled with mechanical load	
117	Motor DC compound wound 220 volt 2 to 3 :HP with starter and switch	
118	Motor generator (DC to AC) set consisting of - Motor shunt 5 HP, 440 Volts with starting compensator and switch directly coupled to generator AC. 3.5 KVA, 400/230. Volts, 3-Phase, 4 wire, 0.8 PF 50 cyccles with exciter and 1 switch regulator, circuit breaker, ammeter, voltmeter frequency knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling.	
119	Thyristor/IGBT controlled D.C. motor drive 1 HP with tachogenerator feedback arrangement	
120	Thyristor/IGBT controlled A.C. motor drive with VVVF control, 3 Phase 2 HP	
121	Motor AC squirrel cage, 3-phase 400 volt, 50 cycles, 2 to 3 HP with star delta starter and triple pole iron clad switch fuse.	
122	Motor AC phase-wound slip ring type 5 HP 400 volts, 3-phase, 50 cycles with starter and switch.	
123	Motor A.C. series type 230V, 50 cycles, 1 HP with mechanical load	
124	Motor AC single phase 230 volt 50 cycles 1 HP capacitor type with starter switch 1 HP	
125	Motor universal 230 volt, 50 cycles 4 HP with starter/switch	
126	Stepper motor with digital controller	
127	Shaded Pole Motor	
128	Synchronous motor 3 Phase, 3 HP, 415V, 50Hz, 4 Pole, with accessories.	
129	Transformer single phase, 1 K.V.A., 230 / 115-30-24 12 volts, 50 cycles core type, air cooled.	
130	Transformer three phase, 5K.V.A, 440/230 volts, 50 cycles, delta /star, shell type oil cooled	
131	Oscilloscope -Dual Trace,20 MH	
132	Function Generator	
133	Discrete component trainer	
134	Linear I.C.Trainer	

135	Digital I.C.Traine	
136	Lux meter	
137	Oil testing Kit	
138	Hygrometer	
139	Cut out, reserse current over load, under voltage replays.	
140	3-point D.C. starters	
141	4-point D.C. starters	
142	Direct on line starter	
143	Star delta starter with manual, semi auto and automatic	
144	Auto transformer type starter	
145	Bath impregnating	
146	Oven stoving	
147	Inverter 1 K.VA Input 12 volt DC, Output 220 volt	
148	Electric hot plate 1500 watt. 220 V with temperature control	
149	Electric kettle, 230 V	
150	Electric iron, 1200 watts, 230V with temperature control	
151	Immersion beater 750/1000/1500W-230V	
152	Geyser 25 litre 240 V(Storage type).	
153	Washing Machine	
154	Motor Pump set 1 HP, 1 Phase, 240 V	
155	Pin Type, shackle type & suspension type insulators (Raw Material)	
156	Electrical machine trainer: -Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase) Should be completed ith friction brake dynamo meter, instrument p mel and power supply units	