



CORRIGENDUM NO. 1 TO LETTER INVITING TENDER

Job ref. : Supply of Electrical Test equipments, Miscellaneous maintenance tools and tackles, Ladders and feeder pillar for NRL Township.

Tender no. : OC20000298 dtd. 30.01.2018

With reference to the above tender, kindly note the item description of the item no. 10 to 60.

10	Mini (Pocket size)Earth leakage Clampmet	Mini (Pocket size)Earth leakage Clampmeter with the following features: Ranges:Four:30mA, 300mA, 30A,300A Resolution: 0.01 mA; Analog Bargraph Display; Handguard designed for operator safety; Pocket sized and lightweight; Measuring function: leakage current and load current; Display: 3.5 digit LCD; Jaw opening capability: 40 mm (minimum) Jaw size:Very sleek to enable measurement in compact wiring:10mm(maximum) thickness of the jaw. Auto power off feature; Data hold function; Sampling time: Approx. 2times/sec; Operating voltage : upto 600VAC; Size:15cm(L)x3cm(B)x2cm(D) Power supply: 2x1.5V button cells; SAfety design standards: IEC1010-2 32 Warrenty certificate for 1 year Accessories: 1. Soft carrying case 2. Test and Calibration certificates 3. Operation manual in English 4. Battery
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NUMALIGARH REFINERY LIMITED.
COMMERCIAL DEPARTMENT.

20	High Voltage Discharge and Grounding Sti	High Voltage Discharge and Grounding Stick having following specification: 1) Voltage Level:120KV 2) Insulation Resistance :100 Mohm 3) Safe Discharge Capacitance (maximum) :2.75 microF 4) Line Clamp : D-type hook of Copper material 5) Length of the Insulating Stick :1.5 Mtr (maximum) 6) Total Weight:1.5 Kg (maximum) 7) Earthing lead of size 16 sq.mm. flexible copper cable, PVC insulated, 1100V grade/IS-694, soldered socket for clamp-end and Copper crocodile clip for earth-end ; Length:10M 8) Di-electric strength of the Discharge Stick:565KV for 1 min.
30	Supply of 3 ½ Digit Digital Multimeter	3 ½ Digit Digital Multimeter with maximum reading of 6000 having following specifications: A. Measurements: 1) Voltage range: 1000 V AC/DC 2) Current range: 10A AC/DC 3) Resistance range: 50 Mega Ohm 4) Frequency: upto 100 KHz B. Technical Spifications: 1) Basic Accuracy: minimum 1.5% 2) Manual &Auto Range selection for Voltage & Current measurement 3) Continuity with beeper guaranteed on #25# approx., guaranteed off #250# approx. 4) Diode test facility 5) Display hold facility 6) IEC1010 rating: CAT IV 600V / CATIII 1000V 7) Low battery indication 8) Power source: 9V Alkaline battery C. Accessories: 1) Test Lead set -2 sets 2) 9V battery installed 3) Carrying case 4) Operations Manual printed in English 5) Warranty Certificate for 1 yrs (min) 6) Calibration certificate traceable NABL validity not less than 10 months from the date of receipt at NRL site.



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40	Supply of AC/DC clamp on meter	<p>AC/DC Clamp-on Meter having following specifications.</p> <ol style="list-style-type: none">1) 3 1/2 digit, 6000 counts.2) AC Current Range: 1000A; Accuracy: approx. +/- 1.6%3) DC Current range: 1000A; Accuracy: approx. +/- 1.6%4) AC Voltage: 600V; Accuracy: approx. +/- 1.5%5) DC Voltage: 600V; Accuracy: approx. +/- 1%6) Resistance: 4000 Ohm; Accuracy: approx. +/- 1%7) Auto power off and Data Hold facility8) Audible Continuity and Zero button for DC current9) Power: AAA batteries10) Accessories:<ol style="list-style-type: none">i. Supplied with a pair of Test leads-2 setsii. Soft carrying case,iii. Battery (fitted-in) andiv. Instruction manual printed in English.v. Warranty card: Minimum 1 Yearvi. Calibration certificate traceable NABL validity not less than 10 months from the date of receipt at NRL site.
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50	Digital Insulator Tester	<p>Digital Insulator Tester of the following specifications up to 1000V.</p> <ol style="list-style-type: none">1) Insulation Test Voltage (dc): 50V,100V, 250V, 500V, 1000V2) Should have automatic calculation of Polarization Index and Dielectric Absorption ratio feature.3) Measuring Range: Digital: 0.01 to 10 G Ohm4) Accuracy: not exceeding +/- 2% of reading.5) Open circuit test voltage should be : #4V #8V6) Warning for line circuit detection feature to prevents insulation test if voltage #30V shall detected for added user protection.7) The instrument should be able to measure AC/DC voltage 0.1V to 600V.8) Continuity measuring range min 150mA.9) Short circuit test current 1mA nominal.10) Automatic discharge of circuit under test when Test button isreleased.11) The instrument should be powered by AA alkaline batteries (NEDA 15A or IEC LR6) for at least 1000 insulation test.12) The instrument should have large backlight display.13) The instrument should have auto power off to save battery power.14) The instrument should complies with ANSI/ISA 82.02.01 (61010-2004, CAN/CSA-C22.2 NO. 61010-1-04, and IEC/EN.15) The instrument should have CAT III-1000V, CAT IV-600V over voltage category for added user protection.16) The instrument should be 1 year warranty. <p>Equipment to be supplied with</p> <ol style="list-style-type: none">1) Operation manual printed in English2) Test Leads & Probes3) Alligator clips.4) Soft leather carrying case.5) Warranty certificate and calibration certificate traceable NABL validity not less than 10 months from the date of receipt at NRL site.
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60	Battery operated Motor Checker	<p>Battery operated Motor Checker for checking of electrical condition of 3-phase/1-phase machines/ motors, testing of relay coils, fans, DC machines etc. having following specifications:</p> <ol style="list-style-type: none">1) Display: 3 1/2digit LCD2) Insulation test: a) 500V DC, 0-200MOhm b) 1000V DC, 0-200MOhm3) Resistance Test range: 2mOhm-2000ohm4) Inductance test range: 2mH-2000mH5) Battery: 6AA battery <p>C. Accessories:</p> <ol style="list-style-type: none">1) Test Lead set -2 sets2) 9V battery installed3) Carrying case4) Operations Manual printed in English5) Warranty Certificate for 1 yr (min)6) Calibration certificate traceable NABL validity not less than 10 months from the date of receipt at NRL site.
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All other terms and conditions of the Tender Document remain unchanged.

GM (Commercial)
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Numaligarh, Dist : Golaghat,
Assam – 785 699

Copy to: NRL website (www.nrl.co.in)
Govt. website
E-Tender portal