

## CORRIGENDUM

This is in reference to **Tender Ref. No. NSIC/LBI/NAINI/2020-21/ET** dated **02.12.2020** for Supply, Installation & Commissioning of **Machine, Tools and Equipment for Ncvr Electrician Trade**.

It is hereby informed that there is an **amendment** in Annexure-A and Annexure-C of the Tender documents as listed below. Bidders may accordingly take note and bid for the same.

### **ANNEXURE-A**

#### **Details of requirements and technical specifications of Machine, Tools & Equipment**

<b>LIST OF TOOLS &amp; EQUIPMENT</b>			
<b>NCVT ELECTRICIAN Trade</b>			
<b>S. No.</b>	<b>Name of the Tools and Equipment</b>	<b>Specification</b>	<b>Qty</b>
1	Measuring Steel Tape (FREEMAN)	5 Meter	63
2	Combiantion Plier Insulated ( AMBICA /PYE/VENUS)	200 mm	63
3	Screw Driver Insulated( AMBICA /PYE/VENUS)& DENEERS	4 mm X 150 mm, Diamond Head	63
4	Screw Driver Insulated( AMBICA /PYE/VENUS)& DENEERS	6 mm X 150 mm	63
5	Electricain screw driver thin stem insulated handle( AMBICA /PYE/VENUS)& DENEERS	4 mm X 100 mm	63
6	Heavy Duty Screw Driver Insulated( AMBICA /PYE/VENUS)& DENEERS	5 mm X 200 mm	63
7	Electrician Screw Driver Thin Stem Insulated Handle( AMBICA /PYE/VENUS)& DENEERS	4 mm X 250 mm	63
8	Punch Centre	9 mm X 150 mm	63
9	Knife Double Bladed Electrician	100 mm	63

10	Neon Tester( AMBICA /PYE/VENUS)& DENEERS	500 v	63
11	Steel Rule Graduated both in Metric and English Unit ( OMEGA/ CRYSTAL)	300 mm with precision of 1/4 mm	63
12	Hammer, Cross Peen with Handle( AMBICA /PYE/VENUS)& DENEERS	250 grams	63
<b>B.</b>	<b>SHOP TOOLS &amp; EQUIPMENT</b>		
<b>(I)</b>	<b>List of Tools &amp; Accessories</b>		
13	Hammer Ball Peen with Handle( AMBICA /PYE/VENUS)& DENEERS	500 grams	4
14	Pincer( gift, ambitec,ambica)	150 mm	4
15	C Clamp( jst, bst)	200 mm and 100 mm	2
16	Spanner Adjustable Drop Forged, SS( AMBICA /PYE/VENUS)& DENEERS	150 mm & 300 mm	2
17	Blow Lamp Brass ( prabhat)	0.5 Ltr	1
18	Chisel Cold( Natraj , shudhir )& DENEERS	25 mm X 200 mm	2
19	Chisel Firmer with Wooden Handle ( GIFT)	6 mm X 200 mm	2
20	Alien Key Alloy Steel ( FREEMAN & Ambica, Tapria)	1.5-10 mm (set of 9)	1
21	Grease Gun ( AMBICA/ BHARAT /VENUS)	0.5 Ltr Capacity	1
22	Bradawi ( GIFT)		2
23	Pully Puller with S Legs ( GIFT )	150 mm & 300 mm	1
24	Bearing Puller (Inside and outside) ( GIFT)	200 mm	1
25	Pipe Vice Cast Iron with Hardened Jaw Open Type ( ARIES ,BHARAT)	100 mm	2
26	Scissors Blade, SS ( MEERUT)	200 mm	4
27	Scissors Blade, SS ( MEERUT)	150 mm	2
28	Crimping Tool ( JAPSON)	1.5 sq mm to 16 sq mm	2

	Crimping Tool ( JAPSON)	16 sq mm to 95 sq mm	2
29	Wire Cutter and Stripper ( PYE)	150 mm	4
30	mallet Hard Wood ( WODDEN)	0.50 kg	4
31	Hammer Extractor Type	250 grams	4
32	Hacksaw Frame ( JOLY& LOVLY)	Adjustable 300 mm Fixed 150 mm	2
33	Try Square ( GIFT /SAGAR/ HARICON)	150 mm Blade	4
34	Outside Calliper( GIFT /SAGAR/ HARICON)	150 mm Spring Type	2
35	Inside Calliper( GIFT /SAGAR/ HARICON)	150 mm Spring Type	2
36	Divider( GIFT /SAGAR/ HARICON)	150 mm Spring Type	2
37	Pliers Long Nose Insulated( AMBITEC/PYE/ VENUS)	150 mm	4
38	Pliers Flat Nose Insulated( GIFT /SAGAR/ HARICON)	200 mm	4
39	Pliers Round Nose Insulated( GIFT /SAGAR/ HARICON)	100 mm	4
40	Tweezers	150 mm	4
41	Strip Straight and Bent Heavy Duty	250 mm	2
42	D.E. Metric Spanner Double Ended( AMBICA/AMBITEC/PYE)	6-32 mm	2
43	Drill Hand Brace	0-100 mm	4
44	Drill S.S. Twist Block ( MIRANDA)	2 mm, 5 mm and 6 mm set of 3	4
45	Plane Cutters ( BST)	50 mm X 200 mm	2
46	Smoothing Cutters( BST)	50 mm X 200 mm	2
47	Gauge, Wire Imperial Stainless Steel marked in SWG & MM ( OMEGA& CRYSTAL)	Wire Gauge, Metric	4
48	File Flat ( JK)	200 mm 2nd Cut with Handle	8
49	File Half Round ( JK )	200 mm 2nd Cut with Handle	4
50	File Round ( JK )	200 mm 2nd Cut with	4

		Handle	
51	File Flat Rough ( JK )	150 mm with Handle	4
52	File Flat Bastard ( JK )	250 mm with Handle	4
53	File Flat Smooth ( JK )	250 mm with Handle	4
54	File Rasp, Half Round ( JK )	200 mm Bastard with Handle	4
55	Copper Bit Soldering Iron	0.25 kg	2
56	De Soldering Gun ( MAX , C&C , POWERWAY )	Heat Proof Nozzle, PVC Type 250 mm	4
57	Hand Vice ( GIFT)	50 mm Jaw	4
58	Table Vice (ARIES & LION )	100 mm Jaw	8
59	Oil Can ( PRIEMA)	250 ml	2
60	Contactor & auxiliary Contacts ( L& T)	3 phase, 415 volts, 25 Amp with 2 No and 2 NC	2
61	Contactor & auxiliary Contacts ( L& T)	3 phase, 415 volts, 25 Amp with 2 No and 2 NC	2
62	Limit Switch	Limit Switch, Liver Operated 2A 500V, 2 Contacts	2
63	Rotary Switch	16 A/440 V	2
64	Relay:		
	A. Cut out Relays	A. 16 A, 440 V	2
	B. Reverse Current	B. 16 A, 440 V	2
	C. Over Current	C. 16A, 440 V	2
	D. Under Voltage	D. 360 V- 440 V	2
65	Pin Type, Shackle Type, Egg Type & Suspension Type Insulators Including Hardware Fitting		2
66	Hydrometer		2
67	Hand Drill Machin	0-6 mm Capacity	2
68	Portable Electric Drill Machine ( BOCSH )	0-12 mm Capacity 750 W, 240 V with Chuck and Key	1
69	Load Bank (Lamp/Heater Type) ( C &C , POWERWAY )	6 KW, 3 PH	1
70	Brake Test Arrangement with Two Spring Balance Rating	0 to 25 kg	1

71	Laboratory Type Induction Coil ( C & C , POWERWAY )	1000 W	2
72	Out Side Cicrometer ( MITUTOYO JAPAN )	0-25 mm least Count 0.01 mm	2
73	Thermometer Digital	0o C 150 C	1
74	Series Test lamp	230 V, 60 W	4
75	Knife Switch DPDT Fitted with Fuse Terminals	16 AMP	4
76	Knife Switch TPDT Fitted with Fuse Terminals	16 AMP/440 V	4
77	Miniature Breaker ( HAVELS)	16 AMP	2
78	Earth Plate	60 cm X 60 cm X 3.15 mm Copper Plate 60 cm X 60 cm X 6 mm GI Plate	1
79	Earth Electrode	Primary Electrode 2100X28X3.25 mm Secondary Cu Strip 20X5 mm	1
80	MCCB ( L& T)	100 Amps, Triple Pole	1
81	ELCB and RCCB ( L& T)	25 Amps, Double Pole and 25 Amps, Double Pole, Ian 30 mA	1
82	Fuses ( L& T)	HRC	4
		Glass	4
		Rewire Type	4
83	Rheostat (Sliding Type)	0-25 OHM, 2 AMP	1
		0-300 OHM, 2 AMP	1
		0-1 OHM, 10 AMP	1
		0-10 OHM, 5 AMP	1
84	Capacitors	Electrolytic	2
		Ceramic	2
		Polyester Film	2
		Variable	2
		Dual Run	2
85	Various Electronic Components	Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRAIC, IGBT, Small Transformer etc.	2

86	Various Lamps (BAJAJ, ORIETNT)	Halogern Incandescent Lamp Fluorescent Tube HP Mercury Vapor Lamp High-Pressure Sodium Lamp Low-Pressure Sodium Lamp LED	1
87	Plug Socket ( ARKAYLITE)	230 V, 5 A	10
	Piano Switch ( ARKAYLITE)E)		10
	Lamp Holder( ARKAYLITE)		10
88	Cables( ARKAYLITE) 6MM,2CORE	1 Roll each	1
	Twisted Pair( ARKAYLITE)	1 Roll each	1
	Non-Metallic Sheathed Cable ( ARKAYLITE)	1 Roll each	1
	Underground Feeder Cable (ARKAYLITE)	1 Roll each	1
	Ribbon Cable ( ARKAYLITE )	1 Roll each	1
	Metalis Sheathed Cable ( ARKAYLITE)	1 Roll each	1
	Multi-Conductor Cable ( ARKAYLITE)	1 Roll each	1
	Coaxial Cable ( ARKAYLITE)	1 Roll each	1
	Direct Buried Cable ( ARKAYLITE)	1 Roll each	1
89	Bus Bar with Brackets ( ARKAYLITE)	1 each	3
90	Rubber Mat	2' X 4' X 1'	2
91	Electrician Helmet ( ISI)	Yellow Colour	16
92	RCC Pole with Accessories (MS Angle Iron "C" Clamp, Stay Insulator etc.) and Materials ( ISI)	6 Mtr	1
93	Safety Belt ( ISI)	Standard Quality	1
<b>(II)</b>	<b>LIST OF EQUIPMENT</b>		
94	OHM Meter, Series Type & Shunt Type, Portable Box Type ( C & C, POWERWAY)	50/2000 OHM Analog	2

95	Digital Multi Meter ( HTC)	DC 200 MV - 1000 V, 0-10 A & AC 200 MV - 750V, 0-10A, Resistance 0-20 MC and 3 1/2 Digit	10
96	A.C. Voltmeter M.I. Analog, Portable Box Type Housed in Bakelite Case ( C&C , POWERWAY)	Multi Range 75V-150V- 300V-600V	3
97	Multi Voltmeter Centre Zero Analog, Portable Box Type Housed in Bakelite Case ( C&C, POWERWAY/DENCO)	100-0-100 mV	2
98	Ammeter MC Analog, Portable Box Type Housed in Bakelite Case. ( C&C, POWERWAY/DENCO)	0-500 mA, 0-5 A, 0-25 A	2
99	AC Ammeter MI Analog, Portable Box Type Housed in Bakelite Case. ( C&C, POWERWAY/DENCO)	0-1 A, 0-5 A, 0-25 A	2
100	Kilo Wattmeter Analog ( C&C, POWERWAY/DENCO)	0-1.5-3 KW, Pressure Coil Rating 240V/440V, Current Rating 5A/10A Analog, Portable Type Housed in Bakelite Case	2
101	Digital Wattmeter ( C&C, POWERWAY/DENCO)	230V, 1KW, 50Hz	2
102	A.C. Energy Meter ( ISI, JAPSON)	Single Phase, 10A, 240 V Induction Type	2
103	A.C. Energy Meter( ISI, JAPSON)	Three Phase, 15A, 440V Induction Type	2
104	Power Factor Meter Digital ( C&C, POWERWAY/DENCO)	440V, 20A, Three Phase Portable Box Type	2
105	Frequency Meter ( C&C, POWERWAY/DENCO)	45 to 55 Hz	2
106	Magnetic Flux Meter ( C&C, POWERWAY/DENCO)	0-500 Tesla	2

107	Lux Meter ( C&C, POWERWAY/DENCO)	Lux Meter LCD read out 0.05 to 7000 Lumiens with Battery	2
108	Tachometer ( C&C, POWERWAY/DENCO)	Analog Type 10000 RPM	1
109	Tachometer ( C&C, POWERWAY/DENCO)	Digital Photo Sensor Type RPM	1
110	Tong Tester/Clamp Meter ( C&C, POWERWAY/DENCO)	0-100A (Digital Type)	2
111	Megger ( C&C, POWERWAY/DENCO)	Analog 500 V	2
112	3 Point D.C. Starter ( C&C, POWERWAY/DENCO)	For 2.5 KW DC Motor	1
113	4 Point D.C. Starter ( C&C, POWERWAY/DENCO)	For 2.5 KW DC Motor	1
114	Wheat Stone Bridge with Galvanometer and Battery ( C&C, POWERWAY/DENCO)		2
115	Single Phase Variable Auto Transformer	0-270V, 10AMP (Air Cooled)	2
116	Phase Sequence Indicator ( C&C, POWERWAY/DENCO)	3 phase, 415 v	2
117	Growler ( ISI)	230 V, 50Hz, Single Phase, Adjustable Jaws, Testing Armature with Ampere Meter and Testing Probes.	2
118	AC Starters:		For A.C Motors of 2 to 5 H.P.
	A. Resistance Type Starter ( C& C, POWERWAY)		
	B. Direct on line Starter ( L& T, APEX)		
	C. Star Delta Starter-Manual ( L& T, APPEX)		
	D. Star Delta Starter-Semi Automatic ( L& T ,APPEX )		1



	E. Star Delta Starter-Fully Automatic ( L&T, APPEX)		
	F. Star Delta Starter-Soft Starter ( L&T, APPEX)		
	G. Auto Transformer Type ( POWERWAY ,C&C )		
119	Oscilloscope Dual Trace ( HTC, OWON)	20 Mhz	1
120	Function Generator( POWERWAY, C&C)	2 to 200 Khz, Sine, Square, Triangular 220 V, 50 Hz, Single Phase	1
121	Soldering Iron( TONY ,JK)	25 Watt, 65 Watt and 120 Watt, 230 Volt	2
122	Temperature Controlled Soldering Iron( JK,TONY )	50 Watt, 230 Volt	2
123	Discrete Component Trainer( C&C , POWERWAY	Discrete Component (for Diode and Transistor Circuit) with Regulated Power Supply +5,0-5V,+12,0-12V	2
124	Linear I.C Trainer( C & C, POWERWAY)	Linear I.C. Trainer with Regulated Power Supply 1.2V to 15V PIC Socket 16 Pin and 20 Pin with Bread Board	1
125	Digital I.C Trainer( POWERWAY, C&C)	Digital I.C. Trainer 7 Segment Display and Bread Board	1
126	Domestic Appliances:		
	A. Electric Induction Plate( USHA,	A. 1500 Watt, 240 V	1
	B. Electric Kettle( ISI )	B. 1500 Watt, 240 V	1
	C. Electric Iron( USHA,HAVELLS)	C. Automatic - 750 Watt, 240 V	1
	D. Immersion Heater( HAVELLS,ARKYLITE)	D. 1500 Watt, 240 V	1
	E. A.C. Ceiling Fan and AC Table Fan( USHA,HAVELLS)	E. 68 Watt, 240 V	1
	F. Geyser (Storage Type)( USHA,BAJAJ)	F. 10 Litre	1
	G. Mixture & Grinder( HAVELLS,ARKYLITE)	G. 750 Watt, 240 V	1

	H. Washing Machine Semi Automatic( LG, GODREJ)	H. 5 Kg	1
	I. Motor Pump Set( CROMPTON)	I. 1 HP, 1 Phase, 240 V	1
127	Oil Testing Kit( BAJAJ,L&T,C&C)	Oil Testing Kit 230 V, Single Phase 50 Hz, 60 VA outpur 0-60 KV Variable	1
128	Inverter with Battery( MICROTEC,LUMINUS,)	1 KVA with 12 V Battery Input 12 Volt DC, Output 220 Volt AC	1
129	Voltage Stablizer( NATIONAL,VEGAURD)	AC Input 150-250 V, 600 VA AC Output - 240 V, 10 A	1
130	DC Power Supply( C&C ,POWERWAY)	0-30 V, 5 A	2
131	Battery Charger( NATIONAL,C&C)	0-6-9-12-24-48V, 30 Amp	1
132	Current Transformer( ISI )	415 V, 50 Hz, CT Ratio 25/5A, 5VA	2
133	Potential Transformer( ISI)	415 V, 50 Hz, PT Ratio 440V/110V, 10VA	2
134	Solar Panel with Battery( SUKAM,LUMINUS)	18 Watt	1
135	Pentium IV Computer or Latest( HP,DELL)	2.8 Ghz & above, 1 GB Ram, 80 GB HDD, DVD Combo Drive, 19/21" Monitor, Optical Scroll Mouse, Multimedia Key Board, 32 bit Lan Card with UPP Port, necessary Drivers, etc OR (Latest Version)	2
136	Ink Jet/Laser Printer( HP,CANON)	A4 (canon) Print Speed (A4): Up to 18ppm (Mono / Colour),WiFi,LAN Connecitivity ,Print Resolution: Up to 9,600 (equivalent) x 600dpi	1
<b>C.</b>	<b>SHOP MACHINERY</b>		

137	D.C. Shunt Generator with Control Panel( C&C, POWERWAY/DENCO)	D.C. Shunt Generator with Control Panel, 2.5 KW, 220V & 3 Phase Squirrel Cage Induction Motor, 5 HP, 440V with Control Panel & Star Delta Starter	1
138	Motor Generator (AC to DC)( C&C, POWERWAY/DENCO)	Squirrel Cage Induction Motor with Star Delta Starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling induction motor rating: 7.5 HP, 415V, 50 cycles, 3 Phase, DC Shunt Generator rating: 5 KW, 440V (Outpur Voltage Varies 110-440V)	1
139	D.C. Compound Generator with Control Panel Including fitted rheostat, Voltmeter, Ammeter and Breaker( C&C, POWERWAY/DENCO)	DC Compound Generator with Control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V 3 Phase Squirrel cage induction Motor 5 HP, 440V, with control panel & Star delta starter	1
140	DC Series Motor Coupled with Spring Balance Load( C&C, POWERWAY/DENCO)	2.5 KW, 220 Volts	1
141	DC Shunt Motor( C&C, POWERWAY/DENCO)	2.5 KW, 220 Volts	1

142	DC Compound Motor with Starter and Switch( C&C, POWERWAY/DENCO)	2.5 KW, 220 Volts	1
143	Motor Generator (AC to DC) set consisting of Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc, set complete with cast iron bed plate fixing bolts, foundation bolts and flexible coupling.( C&C, POWERWAY/DENCO)	Shunt Motor rating: 5 HP, 440V AC Generator rating: 3 Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pl, 50 cycles	1
144	AC Squirrel Cage Moter with Star Delta Starter and triple pole iron clad swith fuse with Mechanical Load.( C&C, POWERWAY/DENCO)	5 HP, 3 Phase, 415 V, 50 Hz	1
145	AC phase wound slip ring Motor with Starter switch( C&C, POWERWAY/DENCO)	5 HP, 440V, 3 Phase, 50 Hz	1
146	Universal Motor with Starter/Switch( C&C, POWERWAY/DENCO)	240V, 50 Hz, 1HP	1
147	Synchronous motor with accessories like starter, excitation arrangements( C&C, POWERWAY/DENCO)	3 Phase, 3 HP, 440V, 50 Hz, 4 Pole	1
148	Thyrisor/IGBT controlled D.C Moter drive with tacho generator feedback arrangement( C&C, POWERWAY/DENCO)	1 Hp	1

149	Thyristor/IGBT Controlled AC motor drive with( C&C, POWERWAY/DENCO)	VVVF Control 3 Phase, 2 HP	1
150	Single phase Transformer, Core type, air cooled( C&C, POWERWAY/DENCO)	1 KVA, 240/415V, 50 Hz	3
151	Three phase transformer, shell type oil cooled with Delta/star ( C&C, POWERWAY/DENCO)	3 KVA, 415/240 V, 50 Hz	2
152	Electrical machine Trainer( C&C, POWERWAY/DENCO)	Suitable for demonstrating the construction and functioning of different types of DC machinies and AC machines (Single phase and three phase) Should be fitted with function brake arrangement, dynamo meter, instrument panel and power supply unit	1 for 8 (4+4) Units
153	Diesel Generator set with change over switch over current breaker and water/air cooled with armature, star delta connections AC 3 Phase( C&C, POWERWAY/DENCO)	30KVA, 415 Volt or Higher Rating	1
154	Used DC Generators series, shunt and compound type for overhauling practice( C&C, POWERWAY/DENCO)		1
155	Pillar Electric Drill machine Motorized( C&C, POWERWAY/DENCO)	12-20 mm Capacity, 1HP, 440V, 3Phase, Induction Motor with DOL Starter, Bench Type	1

156	Motorised Bench Grinder( C&C, POWERWAY/DENCO)	1HP, 3 Phase, 440V with DOL Starter, Double side with smooth and rough wheel with tool base	1
157	AC Series Type Motor( C&C, POWERWAY/DENCO)	1 HP, 240V, 50 Hz	1
158	Single Phase Capacitor Motor with starter switch	1 HP, 240V, 50 Hz	1
159	Manual Motor Coil Winding Machine ( C&C, POWERWAY/DENCO)	With step arbor	1
160	Ceilling Fan Coil Winding Machine ( C&C, POWERWAY/DENCO)	250V, 50 Hz, 1p, with Speed Control	1
161	Primary Current Injection Set( C&C, POWERWAY/DENCO)	200V, 50 Hz, 1 output current 200A (mm) with timer	1
162	Stepper Motor with Digital Controller ( C&C, POWERWAY/DENCO)		1
163	Shaded Pole Motor( C&C, POWERWAY/DENCO)	Fractional HP, 240V, 50 Hz	1
<b>D.</b>	<b>SHOP FLOOR FURNITURE AND MATERIALS</b>		
164	Working Bench ( MANGO WOOD)	2.5 m X 1.20 m X 0.75 m	4
165	Wiring Board ( MANGO WOOD)	3 Meter X 1 meter with 0.5 meter projection on the top	1
166	Instructor's Table	Wooden Table: The size of main table shall be 5' X 2.5' 3 drawers in right side color: black	1
167	Instructor's Chair	Chair: Officers Chair , full back , with side arm The chair should have a permanent contact mechanism with 360 degree of revolution. The pedestal should have pneumatic height adjustment iron based with metal	2

		wheel color : black	
168	Metal Rack	100 cm X 150 cm X 45cm	4
169	Locker with Drawers		1
170	Almirah	2.5m X 1.20m X 0.5m Entire almirah should be 20 gauge CRCA Sheet should contain 5 shelves	1
171	Black Board/White Board	(minimum 4X6 feet)	1
172	Fire Extinguisher CO2	2 KG	2
173	Fire Buckets ( TATA)	Standard Size	2
174	Phase Sequence Meter		2
175	Component of Typical small hydro power unit		1 set
176	Component of Typical water mill		1 set
Note: All time tools and equipment are to be procured as per BIS specification.			

**The above list of standard accessories are tentative and the bidder shall have authority to supply additional accessories as they deemed fit for the successful operation of the machines, Tools and Equipments after the supply at site as per NCVT "ELECTRICIAN" Trade Tool List Guidelines.**

**FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID**

1. **Tender Ref. No:** .....
2. **Name of Bidder:** .....
3. **Complete office address/contact numbers/Email ID/Mobile Number of Bidder:** .....
4. **Tender fee payment details** (*if tender document downloaded from website*)  
Details of DD/RTGS/NEFT by which tender fee paid.....
5. **Confirmation of acceptance of Technical Specifications for the supply of machine:**

<b>LIST OF TOOLS &amp; EQUIPMENT</b>					
<b>NCVT ELECTRICIAN Trade</b>					
<b>#</b>	<b>Technical Specifications</b>	<b>Specification</b>	<b>Qty.</b>	<b>Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)</b>	<b>If marked "NO" in the column before, specify the deviation in specification of the machine offered for the supply.</b>
1	Measuring Steel Tape (FREEMAN)	5 Meter	63		
2	Combination Plier Insulated ( AMBICA /PYE/VENUS)	200 mm	63		
3	Screw Driver Insulated( AMBICA /PYE/VENUS)& DENEERS	4 mm X 150 mm, Diamond Head	63		
4	Screw Driver Insulated( AMBICA /PYE/VENUS)& DENEERS	6 mm X 150 mm	63		
5	Electrician screw driver thin stem insulated handle( AMBICA /PYE/VENUS)& DENEERS	4 mm X 100 mm	63		
6	Heavy Duty Screw Driver Insulated( AMBICA	5 mm X 200 mm	63		



	/PYE/VENUS)& DENEERS				
7	Electrician Screw Driver Thin Stem Insulated Handle( AMBICA /PYE/VENUS)& DENEERS	4 mm X 250 mm	63		
8	Punch Centre	9 mm X 150 mm	63		
9	Knife Double Bladed Electrician	100 mm	63		
10	Neon Tester( AMBICA /PYE/VENUS)& DENEERS	500 v	63		
11	Steel Rule Graduated both in Metric and English Unit ( OMEGA/ CRYSTAL)	300 mm with precision of 1/4 mm	63		
12	Hammer, Cross Peen with Handle( AMBICA /PYE/VENUS)& DENEERS	250 grams	63		
<b>B.</b>	<b>SHOP TOOLS &amp; EQUIPMENT</b>				
<b>(I)</b>	<b>List of Tools &amp; Accessories</b>				
13	Hammer Ball Peen with Handle( AMBICA /PYE/VENUS)& DENEERS	500 grams	4		
14	Pincer( gift, ambitec, ambica)	150 mm	4		
15	C Clamp( jst, bst)	200 mm and 100 mm	2		
16	Spanner Adjustable Drop Forged, SS( AMBICA /PYE/VENUS)& DENEERS	150 mm & 300 mm	2		
17	Blow Lamp Brass ( prabhat)	0.5 Ltr	1		
18	Chisel Cold( Natraj , shudhir )& DENEERS	25 mm X 200 mm	2		

19	Chisel Firmer with Wooden Handle ( GIFT)	6 mm X 200 mm	2		
20	Alien Key Alloy Steel ( FREEMAN & Ambica, Tapria)	1.5-10 mm (set of 9)	1		
21	Grease Gun ( AMBICA/ BHARAT /VENUS)	0.5 Ltr Capacity	1		
22	Bradawi ( GIFT)		2		
23	Pully Puller with S Legs ( GIFT )	150 mm & 300 mm	1		
24	Bearing Puller (Inside and outside) ( GIFT)	200 mm	1		
25	Pipe Vice Cast Iron with Hardened Jaw Open Type ( ARIES ,BHARAT)	100 mm	2		
26	Scissors Blade, SS ( MEERUT)	200 mm	4		
27	Scissors Blade, SS ( MEERUT)	150 mm	2		
28	Crimping Tool ( JAPSON)	1.5 sq mm to 16 sq mm	2		
	Crimping Tool ( JAPSON)	16 sq mm to 95 sq mm	2		
29	Wire Cutter and Stripper ( PYE)	150 mm	4		
30	mallet Hard Wood ( WODDEN)	0.50 kg	4		
31	Hammer Extractor Type	250 grams	4		
32	Hacksaw Frame ( JOLY& LOVLY)	Adjustable 300 mm Fixed 150 mm	2		
33	Try Square ( GIFT /SAGAR/ HARICON)	150 mm Blade	4		
34	Qutside Calliper( GIFT /SAGAR/ HARICON)	150 mm Spring Type	2		
35	Inside Calliper( GIFT /SAGAR/ HARICON)	150 mm Spring Type	2		
36	Divider( GIFT /SAGAR/ HARICON)	150 mm Spring Type	2		

37	Pliers Long Nose Insulated( AMBITEC/PYE/ VENUS)	150 mm	4		
38	Pliers Flat Nose Insulated( GIFT /SAGAR/ HARICON)	200 mm	4		
39	Pliers Round Nose Insulated( GIFT /SAGAR/ HARICON)	100 mm	4		
40	Tweezers	150 mm	4		
41	Strip Straight and Bent Heavy Duty	250 mm	2		
42	D.E. Metric Spanner Double Ended( AMBICA/AMBITEC/P YE)	6-32 mm	2		
43	Drill Hand Brace	0-100 mm	4		
44	Drill S.S. Twist Block ( MIRANDA)	2 mm, 5 mm and 6 mm set of 3	4		
45	Plane Cutters ( BST)	50 mm X 200 mm	2		
46	Smoothing Cutters( BST)	50 mm X 200 mm	2		
47	Gauge, Wire Imperial Stainless Steel marked in SWG & MM ( OMEGA& CRYSTAL)	Wire Gauge, Metric	4		
48	File Flat ( JK)	200 mm 2nd Cut with Handle	8		
49	File Half Round ( JK )	200 mm 2nd Cut with Handle	4		
50	File Round ( JK )	200 mm 2nd Cut with Handle	4		
51	File Flat Rough ( JK )	150 mm with Handle	4		
52	File Flat Bastard ( JK )	250 mm with Handle	4		
53	File Flat Smooth ( JK )	250 mm with Handle	4		
54	File Rasp, Half Round ( JK )	200 mm Bastard with	4		

		Handle			
55	Copper Bit Soldering Iron	0.25 kg	2		
56	De Soldering Gun ( MAX , C&C , POWERWAY )	Heat Proof Nozzle, PVC Type 250 mm	4		
57	Hand Vice ( GIFT)	50 mm Jaw	4		
58	Table Vice (ARIES & LION )	100 mm Jaw	8		
59	Oil Can ( PRIEMA)	250 ml	2		
60	Contactor & auxiliary Contacts ( L& T)	3 phase, 415 volts, 25 Amp with 2 No and 2 NC	2		
61	Contactor & auxiliary Contacts ( L& T)	3 phase, 415 volts, 25 Amp with 2 No and 2 NC	2		
62	Limit Switch	Limit Switch, Liver Operated 2A 500V, 2 Contacts	2		
63	Rotary Switch	16 A/440 V	2		
64	Relay:				
	A. Cut out Relays	A. 16 A, 440 V	2		
	B. Reverse Current	B. 16 A, 440 V	2		
	C. Over Current	C. 16A, 440 V	2		
	D. Under Voltage	D. 360 V- 440 V	2		
65	Pin Type, Shackle Type, Egg Type & Suspension Type Insulators Including Hardware Fitting		2		
66	Hydrometer		2		
67	Hand Drill Machin	0-6 mm Capacity	2		
68	Portable Electric Drill Machine ( BOCSH )	0-12 mm Capacity 750 W, 240 V with Chuck and Key	1		
69	Load Bank (Lamp/Heater Type) ( C &C , POWERWAY )	6 KW, 3 PH	1		

70	Brake Test Arrangement with Two Spring Balance Rating	0 to 25 kg	1		
71	Laboratory Type Induction Coil ( C & C , POWERWAY )	1000 W	2		
72	Out Side Cicrometer ( MITUTOYO JAPAN )	0-25 mm least Count 0.01 mm	2		
73	Thermometer Digitel	0o C 150 C	1		
74	Series Test lamp	230 V, 60 W	4		
75	Knife Switch DPDT Fitted with Fuse Terminals	16 AMP	4		
76	Knife Switch TPDT Fitted with Fuse Terminals	16 AMP/440 V	4		
77	Miniature Breaker ( HAVELS)	16 AMP	2		
78	Earth Plate	60 cm X 60 cm X 3.15 mm Copper Plate 60 cm X 60 cm X 6 mm GI Plate	1		
79	Earth Electrode	Primary Electrode 2100X28X3.25 mm Secondary Cu Strip 20X5 mm	1		
80	MCCB ( L& T)	100 Amps, Triple Pole	1		
81	ELCB and RCCB ( L& T)	25 Amps, Double Pole and 25 Amps, Double Pole, Ian 30 mA	1		
82	Fuses ( L& T)	HRC	4		
		Glass	4		
		Rewire Type	4		
83	Rheostat (Sliding Type)	0-25 OHM, 2 AMP	1		

		0-300 OHM, 2 AMP	1		
		0-1 OHM, 10 AMP	1		
		0-10 OHM, 5 AMP	1		
84	Capacitors	Electrolytic	2		
		Ceramic	2		
		Polyester Film	2		
		Variable	2		
		Dual Run	2		
85	Various Electronic Components	Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRAIC, IGBT, Small Transformer etc.	2		
86	Various Lamps (BAJAJ, ORIETNT)	Halogen Incandescent Lamp Fluorescent Tube HP Mercury Vapor Lamp High-Pressure Sodium Lamp Low-Pressure Sodium Lamp LED	1		
87	Plug Socket (ARKAYLITE)	230 V, 5 A	10		
	Piano Switch (ARKAYLITE)E)		10		
	Lamp Holder(ARKAYLITE)		10		
88	Cables( ARKAYLITE) 6MM,2CORE	1 Roll each	1		
	Twisted Pair( ARKAYLITE)	1 Roll each	1		
	Non-Metallic Sheathed Cable ( ARKAYLITE)	1 Roll each	1		
	Underground Feeder Cable (ARKAYLITE)	1 Roll each	1		

	Ribbon Cable ( ARKAYLITE )	1 Roll each	1		
	Metalis Sheathed Cable ( ARKAYLITE)	1 Roll each	1		
	Multi-Conductor Cable ( ARKAYLITE)	1 Roll each	1		
	Coaxial Cable ( ARKAYLITE)	1 Roll each	1		
	Direct Buried Cable ( ARKAYLITE)	1 Roll each	1		
89	Bus Bar with Brackets ( ARKAYLITE)	1 each	3		
90	Rubber Mat	2' X 4' X 1'	2		
91	Electrician Helmet ( ISI)	Yellow Colour	16		
92	RCC Pole with Accessories (MS Angle Iron "C" Clamp, Stay Insulator etc.) and Materials ( ISI)	6 Mtr	1		
93	Safety Belt ( ISI)	Standard Quality	1		
<b>(II)</b>	<b>LIST OF EQUIPMENT</b>				
94	OHM Meter, Series Type & Shunt Type, Portable Box Type ( C& C, POWERWAY)	50/2000 OHM Analog	2		
95	Digital Multi Meter ( HTC)	DC 200 MV - 1000 V, 0-10 A & AC 200 MV - 750V, 0-10A, Resistance 0-20 MC and 3 1/2 Digit	10		
96	A.C. Voltmeter M.I. Analog, Portable Box Type Housed in Bakelite Case ( C&C , POWERWAY)	Multi Range 75V-150V-300V-600V	3		

97	Multi Voltmeter Centre Zero Analog, Portable Box Type Housed in Bakelite Case ( C&C, POWERWAY/DENCO )	100-0-100 mV	2		
98	Ammeter MC Analog, Portable Box Type Housed in Bakelite Case. ( C&C, POWERWAY/DENCO )	0-500 mA, 0-5 A, 0-25 A	2		
99	AC Ammeter MI Analog, Portable Box Type Housed in Bakelite Case. ( C&C, POWERWAY/DENCO )	0-1 A, 0-5 A, 0-25 A	2		
100	Kilo Wattmeter Analog ( C&C, POWERWAY/DENCO )	0-1.5-3 KW, Pressure Coil Rating 240V/440V, Current Rating 5A/10A Analog, Portable Type Housed in Bakelite Case	2		
101	Digital Wattmeter ( C&C, POWERWAY/DENCO )	230V, 1KW, 50Hz	2		
102	A.C. Energy Meter ( ISI, JAPSON)	Single Phase, 10A, 240 V Induction Type	2		
103	A.C. Energy Meter( ISI, JAPSON)	Three Phase, 15A, 440V Induction Type	2		
104	Power Factor Meter Digital ( C&C, POWERWAY/DENCO )	440V, 20A, Three Phase Portable Box Type	2		



105	Frequency Meter ( C&C, POWERWAY/DENCO )	45 to 55 Hz	2		
106	Magnetic Flux Meter ( C&C, POWERWAY/DENCO )	0-500 Tesla	2		
107	Lux Meter ( C&C, POWERWAY/DENCO )	Lux Meter LCD read out 0.05 to 7000 Lumiens with Battery	2		
108	Tachometer ( C&C, POWERWAY/DENCO )	Analog Type 10000 RPM	1		
109	Tachometer ( C&C, POWERWAY/DENCO )	Digital Photo Sensor Type RPM	1		
110	Tong Tester/Clamp Meter ( C&C, POWERWAY/DENCO )	0-100A (Digital Type)	2		
111	Megger ( C&C, POWERWAY/DENCO )	Analog 500 V	2		
112	3 Point D.C. Starter ( C&C, POWERWAY/DENCO )	For 2.5 KW DC Motor	1		
113	4 Point D.C. Starter ( C&C, POWERWAY/DENCO )	For 2.5 KW DC Motor	1		
114	Wheat Stone Bridge with Galvanometer and Battery ( C&C, POWERWAY/DENCO )		2		
115	Single Phase Variable Auto Transformer	0-270V, 10AMP (Air Cooled)	2		
116	Phase Sequence Indicator ( C&C, POWERWAY/DENCO )	3 phase, 415 v	2		

117	Growler ( ISI)	230 V, 50Hz, Single Phase, Adjustable Jaws, Testing Armature with Ampere Meter and Testing Probes.	2		
118	AC Starters:	For A.C Motors of 2 to 5 H.P.	1		
	A. Resistance Type Starter ( C& C, POWERWAY)				
	B. Direct on line Starter ( L& T, APEX)				
	C. Star Delta Starter-Manual ( L& T, APPEX)				
	D. Star Delta Starter-Semi Automatic ( L& T ,APPEX )				
	E. Star Delta Starter-Fully Automatic ( L&T, APPEX)				
	F. Star Delta Starter-Soft Starter ( L&T, APPEX)				
	G. Auto Transformer Type ( POWERWAY ,C&C )				
119	Oscilloscope Dual Trace ( HTC, OWON)	20 Mhz	1		
120	Function Generator( POWERWAY, C&C)	2 to 200 KHz, Sine, Square, Triangular 220 V, 50 Hz, Single Phase	1		
121	Soldering Iron( TONY ,JK)	25 Watt, 65 Watt and 120 Watt, 230 Volt	2		
122	Temperature Controlled Soldering Iron( JK,TONY )	50 Watt, 230 Volt	2		

123	Discrete Component Trainer( C&C , POWERWAY	Discrete Component (for Diode and Transistor Circuit) with Regulated Power Supply +5,0-5V,+12,0-12V	2		
124	Linear I.C Trainer( C & C, POWERWAY)	Linear I.C. Trainer with Regulated Power Supply 1.2V to 15V PIC Socket 16 Pin and 20 Pin with Bread Board	1		
125	Digital I.C Trainer( POWERWAY, C&C)	Digital I.C. Trainer 7 Segment Display and Bread Board	1		
126	Domestic Appliances:				
	A. Electric Induction Plate( USHA,	A. 1500 Watt, 240 V	1		
	B. Electric Kettle( ISI )	B. 1500 Watt, 240 V	1		
	C. Electric Iron( USHA,HAVELLS)	C. Automatic - 750 Watt, 240 V	1		
	D. Immersion Heater( HAVELLS,ARKYLITE)	D. 1500 Watt, 240 V	1		
	E. A.C. Ceiling Fan and AC Table Fan( USHA,HAVELLS)	E. 68 Watt, 240 V	1		
	F. Geyser (Storage Type)( USHA,BAJAJ)	F. 10 Litre	1		
	G. Mixture & Grinder( HAVELLS,ARKYLITE)	G. 750 Watt, 240 V	1		
	H. Washing Machine Semi Automatic( LG, GODREJ)	H. 5 Kg	1		

	I. Motor Pump Set( CROMPTON)	I. 1 HP, 1 Phase, 240 V	1		
127	Oil Testing Kit( BAJAJ,L&T,C&C)	Oil Testing Kit 230 V, Single Phase 50 Hz, 60 VA outpur 0-60 KV Variable	1		
128	Inverter with Battery( MICROTEC,LUMINUS,)	1 KVA with 12 V Battery Input 12 Volt DC, Output 220 Volt AC	1		
129	Voltage Stablizer( NATIONAL,VEGAUR D)	AC Input 150-250 V, 600 VA AC Output - 240 V, 10 A	1		
130	DC Power Supply( C&C ,POWERWAY)	0-30 V, 5 A	2		
131	Battery Charger( NATIONAL,C&C)	0-6-9-12-24-48V, 30 Amp	1		
132	Current Transformer( ISI )	415 V, 50 Hz, CT Ratio 25/5A, 5VA	2		
133	Potential Transformer( ISI)	415 V, 50 Hz, PT Ratio 440V/110V, 10VA	2		
134	Solar Panel with Battery( SUKAM,LUMINUS)	18 Watt	1		
135	Pentium IV Computer or Latest( HP,DELL)	2.8 Ghz & above, 1 GB Ram, 80 GB HDD, DVD Combo Drive, 19/21" Monitor, Optical Scroll Mouse, Multimedia Key Board, 32 bit Lan Card with UPP Port, necessary Drivers, etc OR (Latest	2		

		Version)			
136	Ink Jet/Laser Printer( HP,CANON)	A4 (canon) Print Speed (A4): Up to 18ppm (Mono / Colour),WiFi,L AN Connectivity ,Print Resolution: Up to 9,600 (equivalent) x 600dpi	1		
<b>C.</b>	<b>SHOP MACHINERY</b>				
137	D.C. Shunt Generator with Control Panel( C&C, POWERWAY/DENCO )	D.C. Shunt Generator with Control Panel, 2.5 KW, 220V & 3 Phase Squirrel Cage Induction Motor, 5 HP, 440V with Control Panel & Star Delta Starter	1		

138	Motor Generator (AC to DC)( C&C, POWERWAY/DENCO )	Squirrel Cage Induction Motor with Star Delta Starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling induction motor rating: 7.5 HP, 415V, 50 cycles, 3 Phase, DC Shunt Generator rating: 5 KW, 440V (Output Voltage Varies 110-440V)	1		
139	D.C. Compound Generator with Control Panel Including fitted rheostat, Voltmeter, Ammeter and Breaker( C&C, POWERWAY/DENCO )	DC Compound Generator with Control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V 3 Phase Squirrel cage induction	1		

		Motor 5 HP, 440V, with control panel & Star delta starter			
140	DC Series Motor Coupled with Spring Balance Load( C&C, POWERWAY/DENCO )	2.5 KW, 220 Volts	1		
141	DC Shunt Motor( C&C, POWERWAY/DENCO )	2.5 KW, 220 Volts	1		
142	DC Compound Motor with Starter and Switch( C&C, POWERWAY/DENCO )	2.5 KW, 220 Volts	1		
143	Motor Generator (AC to DC) set consisting of Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc, set complete with cast iron bed plate fixing bolts, foundation bolts and flexible coupling.( C&C, POWERWAY/DENCO )	Shunt Motor rating: 5 HP, 440V AC Generator rating: 3 Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pl, 50 cycles	1		

144	AC Squirrel Cage Motor with Star Delta Starter and triple pole iron clad switch fuse with Mechanical Load.( C&C, POWERWAY/DENCO )	5 HP, 3 Phase, 415 V, 50 Hz	1		
145	AC phase wound slip ring Motor with Starter switch( C&C, POWERWAY/DENCO )	5 HP, 440V, 3 Phase, 50 Hz	1		
146	Universal Motor with Starter/Switch( C&C, POWERWAY/DENCO )	240V, 50 Hz, 1HP	1		
147	Synchronous motor with accessories like starter, excitation arrangements( C&C, POWERWAY/DENCO )	3 Phase, 3 HP, 440V, 50 Hz, 4 Pole	1		
148	Thyrisor/IGBT controlled D.C Moter drive with tacho generator feedback arrangement( C&C, POWERWAY/DENCO )	1 Hp	1		
149	Thyristor/IGBT Controlled AC motor drive with( C&C, POWERWAY/DENCO )	VVVF Control 3 Phase, 2 HP	1		
150	Single phase Transformer, Core type, air cooled( C&C, POWERWAY/DENCO )	1 KVA, 240/415V, 50 Hz	3		
151	Three phase transformer, shell type oil cooled with Delta/star ( C&C,	3 KVA, 415/240 V, 50 Hz	2		



	POWERWAY/DENCO )				
152	Electrical machine Trainer( C&C, POWERWAY/DENCO )	Suitable for demonstrating the construction and functioning of different types of DC machinies and AC machines (Single phase and three phase) Should be fitted with function brake arrangement, dynamo meter, instrument panel and power supply unit	1 for 8 (4+4) Units		
153	Diesel Generator set with change over switch over current breaker and water/air cooled with armature, star delta connections AC 3 Phase( C&C, POWERWAY/DENCO )	30KVA, 415 Volt or Higher Rating	1		
154	Used DC Generators series, shunt and compound type for overhauling practice( C&C, POWERWAY/DENCO )		1		
155	Pillar Electric Drill machine Motorized( C&C, POWERWAY/DENCO )	12-20 mm Capacity, 1HP, 440V, 3Phase, Induction	1		

	)	Motor with DOL Starter, Bench Type			
156	Motorised Bench Grinder( C&C, POWERWAY/DENCO )	1HP, 3 Phase, 440V with DOL Starter, Double side with smooth and rough wheel with tool base	1		
157	AC Series Type Motor( C&C, POWERWAY/DENCO )	1 HP, 240V, 50 Hz	1		
158	Single Phase Capacitor Motor with starter switch	1 HP, 240V, 50 Hz	1		
159	Manual Motor Coil Winding Machine ( C&C, POWERWAY/DENCO )	With step arbor	1		
160	Ceiling Fan Coil Winding Machine ( C&C, POWERWAY/DENCO )	250V, 50 Hz, 1p, with Speed Control	1		
161	Primary Current Injection Set( C&C, POWERWAY/DENCO )	200V, 50 Hz, 1 output current 200A (mm) with timer	1		
162	Stepper Motor with Digital Controller ( C&C, POWERWAY/DENCO )		1		
163	Shaded Pole Motor( C&C, POWERWAY/DENCO )	Fractional HP, 240V, 50 Hz	1		
<b>D.</b>	<b>SHOP FLOOR FURNITURE AND MATERIALS</b>				
164	Working Bench ( MANGO WOOD)	2.5 m X 1.20 m X 0.75 m	4		

165	Wiring Board (MANGO WOOD)	3 Meter X 1 meter with 0.5 meter projection on the top	1		
166	Instructor's Table	Wooden Table: The size of main table shall be 5' X 2.5' 3 drawers in right side color: black	1		
167	Instructor's Chair	Chair: Officers Chair , full back , with side arm The chair should have a permanent contact mechanism with 360 degree of revolution. The pedestal should have pneumatic height adjustment iron based with metal wheel color : black	2		
168	Metal Rack	100 cm X 150 cm X 45cm	4		
169	Locker with Drawers		1		
170	Almirah	2.5m X 1.20m X 0.5m Entire almirah should be 20 gauge CRCA Sheet should contain 5 shelves	1		
171	Black Board/White	(minimum 4X6	1		



	Board	feet)			
172	Fire Extinguisher CO2	2 KG	2		
173	Fire Buckets ( TATA)	Standard Size	2		
174	Phase Sequence Meter		2		
175	Component of Typical small hydro power unit		1 set		
176	Component of Typical water mill		1 set		

Note: All time tools and equipment are to be procured as per BIS specification.

The above list of standard accessories are tentative and the bidder shall have authority to supply additional accessories as they deemed fit for the successful operation of the machines, Tools and Equipments after the supply at site as per NCVT "ELECTRICIAN" Trade Tool List Guidelines.

**NOTE:**

All other details, specifications, Terms & Conditions shall remain the same as in the Original Tender.

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