26th June,2015

Sub: Amendment to the tender for the Supply of Tools as per specification and schedule at Central Engineering Division, HLL Lifecare Limited, Peroorkada, Thiruvananthapuram

Ref: IFB No.: HLL/CED/SUPPLY/TOOLS/2015 dtd. 24-06-2015

With reference to the above, we here by incorporate the following amendment to the tender documents as detailed below:

Amendment no.1

a) Schedule IV

EXISTING

See Annexure -I

READ AS

See Annexure- II

All other conditions are as per the original IFB No. : HLL/CED/SUPPLY/TOOLS/2015 dtd. 24-06-2015

ASSOCIATE VICE PRESIDENT(CED)

ANNEXURE-I SCHEDULE FOR THE SUPPLY OF TOOLS AT CENTRAL ENGINEERING DIVISION,HLL,PEROORKADA

SINo	DESCRIPTION OF ITEM	SPECIFICATIONS	MAKE	UNIT	QUANTITY	RATE	AMOUNT
	Electrical Items	_			1		
1	Tool Box (Multipurpose with multilayer)	As Per IS &IEC Standards	FLUKE	Nos	1.00		
		Range : 0.4 to 20 meter per sec					
		80 to 4000 FPM Temperature -10 deg to 50 deg					
		Operation : Rechargable battery operated					
		Mode of Detection and display : Indication and					
		detection should be separately mounted with wire connection with each other.LCD Display					
		with back light.					
		Data hold function					
2	Annemometer	Auto power "OFF" and low power indicator, should be as per IS &IEC standards.		Nos	1.00		
	Annemometer	indicator, should be as per is diec standards.		INUS	1.00		
		Measurement range : - 20 deg to 500 deg					
		Accuracy: +/- 2.5 deg D/S: Ratio 12:1					
		Emissivity: 0.95 Celcsius/Farenheit display selection back light display.					
	Infrared Digital Thermometer with Laser	Power source : Rechargable battery,should be					
3	Targeting	as per IS &IEC standards.	FLUKE	Nos	1.00		
		6 6 Digit clear LCD display with optional back light Data hold function					
		Auto power "OFF" and low power indicator .					
,	Electronic Tachometer	Battery operated, should be as per IS &IEC standards.	FLUKE	Nee	1.00		
4	Electronic Tachometer		FLUKE	Nos	1.00		
		AC Voltage : 450 V DC voltage: 1000 V					
		Current : 1000 A					
		Resistance : $60 \text{ M}\Omega$ Frequency : 50 Hz					
		Frequency from clamp : 400 Hz					
		Continuity Buzzer					
		Digital display with back light and data hold function Auto power "OFF" and low power					
		indicator, auto range facility.					
_	01	Rechargable Battery operated ,should be as	E1.187E		4.00		
5	Clamp meter digital (AC/DC)	per IS &IEC standards.	FLUKE	Nos	1.00		
		Range : 0 to 240 V AC Frequency : 50 Hz					
		Detection < 5 mm					
		Operating temperature : 10 to 130 Deg Humidity < 85 deg					
		Battery operated rechargable type,should be as					
		per IS &IEC standards, should be as per IS					
6	Non - Contact AC Voltage Detector	&IEC standards.	FLUKE	Nos	1 .00		
		Insulated type					
		Should be made from heavy gauge steel heat					
		treated, chemically blackened with cushion grip handles Crimp capacity: 1.5 to 63 sq mm,					
7	Crimping Tool kit	should be as per IS &IEC standards.					
	a)1-16mm	·	KENNEDY	Nos	1.00		
8	b)10-95mm Holesaw Cutter	carbide tipped Holesaw	KENNEDY	Nos	1.00		
	a)15mm carbide tipped holesaw	comprises of 14 mm to 64 mm cutting	KENNEDY	Nos	2.00		
	b)16mm carbide tipped holesaw	edges,should be as per IS &IEC standards.	KENNEDY	Nos	2.00		
	b)18mm carbide tipped holesaw c)20mm carbide tipped holesaw	1	KENNEDY KENNEDY	Nos Nos	2.00		-
	d))22mm carbide tipped holesaw]	KENNEDY	Nos	2.00		
	e)25mm carbide tipped holesaw]	KENNEDY	Nos	2.00	_	
	f)28mm carbide tipped holesaw g)30mm carbide tipped holesaw	-	KENNEDY KENNEDY	Nos Nos	2.00		
	h)32mm carbide tipped holesaw]	KENNEDY	Nos	2.00		
	i)36mm carbide tipped holesaw		KENNEDY	Nos	2.00		
	h)40mm carbide tipped holesaw		KENNEDY	Nos	2.00		

SINo	DESCRIPTION OF ITEM	SPECIFICATIONS	MAKE	UNIT	QUANTITY	RATE	AMOUNT
9	Drill Set	Type: Rolled Forged HSS E Type 3 mm to 12 mm bit	Bosch/Addison	Set	2.00		
		Mini hand saw with plastic pistol grip with slip					
10	Hacksaw frames with blade	resistant grooves with 6 " blade	Taparia	Set	3.00		
		2000 W Hot Air Gun Working					
		Temperature : upto 600 deg					
		Rating: 240 V, 50 Hz Over heating protection required., should be as					
11	Heat guns	per IS &IEC standards.	Bosch	Nos	1.00		
	- Table game						
		Temperature - 20 to 1000 deg					
		Humidity: 0 to 90 %					
		Sound Level : 35to 100 db					
		illumination : 4000 to 40000 lux AC/DC Voltage : 450 V					
		AC/DC voltage: 430 v AC/DC Current :10 A Resistance : 40MW					
		Capacitance : 200 mF Frequency 0 to 200 KHz					
		Continuity facility , LCD display with optional back light Data hold function					
		Auto power "OFF" and low power indicator .					
		Battery operated, should be as per IS &IEC					
12	Multimeter	standards.	Fluke	Nos	2.00		
13	Soldering Kit	As Per IS &IEC Standards	Stanley	Set	1.00		
14 15	Wire stripper & Cutter Line Tester	As Per IS &IEC Standards As Per IS &IEC Standards	Taparia Taparia	Set Nos	2.00 3.00		
16	Screw Driver set(Combination set)	As Per IS &IEC Standards	Taparia	Nos	2.00		
17	Cable tie	As Per IS &IEC Standards	Edison	Lot	1.00		
18	Cable Lugs	As Per IS &IEC Standards	Edison	Lot	1.00		
19	Torque Range(2 mm to 32 mm)	As Per IS &IEC Standards	Taparia	Set	1.00		
	Mechanical Items	T=					
1	Vernier Caliper Digital	Type Digital Range0-300mm / 0-12"	Mitutoyo	Nos	1.00		
		Vernier graduation0.02mm			1		
		Accuracy±0.04mm					
		Depth barBlade RemarksHigh accuracy model ,should be as per			1		
		IS & IEC Standards					
2	Vernier Caliper Digital		Mitutoyo	Nos	1.00		
		Type:Manual Range0-150mm / 0-6"					
		Vernier graduation0.02mm					
		Accuracy±0.04mm					
		Depth barBlade RemarksHigh accuracy model ,should be as per					
		IS & IEC Standards					
3	Metal Sheet Cutter(Tin Cutter/Scissor Cut	ter)	Taparia	Nos	1.00		
		Drop forged, Chrome Vanadium Steel ,Induction					
		Hardend Should be as per IS & IEC Standards					
4	Portable surface Finish Testing Machine	Measuring range17.5mm	Mitutoyo	Nos	1.00		
	-	Measuring speed0.25, 0.5, 0.75mm/s 1mm/s					
		(Returning)					
		Drive unitStandard type			1		
-		Detector range360μm (-200μm to +160μm) Measuring Force4mN			1		
		Stylus tip radius5µm					
		External I/OUSB I/F. Digital output, Printer					
		output, RS-232C I/F, Foot SW I/F					
		Power SupplyTwo way power supply: battery					
		(rechargeable Ni-MH battery) and AC adapter					
		Data storageMemory card					
		Detector Conical taper angle90°					
		As Per IS &IEC Standards			1		

SINo	DESCRIPTION OF ITEM	SPECIFICATIONS	MAKE	UNIT	QUANTITY	RATE	AMOUNT
5	Bevel Protactor	As Per IS &IEC Standards	Mitutoyo	Nos	1.00		
		As Per IS &IEC Standards Accuracy:					
		Refer to the list of specifications					
		Resolution: 0.001 mm or .00005"/0.001					
		mm					
		Flatness: 0.3µm					
		Parallelism: 2µm for models up to 80mm					
		3µm for models up to 105 mm					
		Measuring faces: Carbide tipped					
6	Screw Gauge	Display: LCD	Mitutoyo	Nos	1.00		
7	MeasuringTape (50 Mtr)	As Per IS &IEC Standards	aparia/Freemar	Nos	1.00		
8	MeasuringmTape (5 Mtr)	As Per IS &IEC Standards	aparia/Freeman	Nos	1.00		
9	Engineering Instrument Box	As Per IS &IEC Standards	Taparia	Nos	1.00		
10	Laser Height Measuring meter	As Per IS &IEC Standards	Bosch	Nos	1.00		
11	Pipe Range(Medium& Large)	As Per IS &IEC Standards	Taparia	Nos	1.00		
12	Nose Plier	As Per IS &IEC Standards	Taparia	Nos	1.00		
13	Plumb Bob	As Per IS &IEC Standards	Taparia	Nos	1.00		
14	Spirit Level	As Per IS &IEC Standards	Taparia	Nos	1.00		
15	Microgauge Digital(inside &outside)	As Per IS &IEC Standards	Mitutoyo	Nos	1.00		
	Magnetic Compas Box	As Per IS &IEC Standards	Brunton	Nos	1.00		
	Electric TIG & Arc Welding Machines						
	with Accessories (2-ph ,2 Kw ,230 V)	As Per IS &IEC Standards	Miller	Nos	1.00		
18	Chipping Hammer	As Per IS &IEC Standards	Taparia	Nos	1.00		
	Caliper Inside& outside	As Per IS &IEC Standards	Mitutoyo	Set	1.00		
20	T -Allen Key (2 mm to 10 mm)	As Per IS &IEC Standards	Taparia	Set	2.00		
21	Circlip Plier (Inside & Outside)	As Per IS &IEC Standards	Taparia	Nos	1.00		
22	Grip Plier	As Per IS &IEC Standards	Taparia	Nos	1.00		
23	C clamp (8")	As Per IS &IEC Standards	Taparia	Nos	2.00		
24	Viceclip Plier	As Per IS &IEC Standards	Taparia	Nos	2.00		
	Monkey Plier	As Per IS &IEC Standards	Taparia	Nos	2.00		
	Tap Set(2 mm to 12 mm)	As Per IS &IEC Standards	Taparia	Set	2.00		
	Tap Range(Large)	As Per IS &IEC Standards	Taparia	Set	1.00		
25	Portable Oil free Air Compressor(4 Kg)	As Per IS &IEC Standards	Kobe	Nos	1.00		
	Basic Price In Rs.						
	Packing & forwarding charges in Rs. Frieght charhes in Rs. Excise duty in Rs.						
	Other charges if any in Rs.						
	Gross Amount in Rs.	·					

(In words)

I agree to supply all the items as per schedule at the rates quoted by me as above and the terms and conditions of the tender document.

SIGNATURE OF THE SUPPLIER

ANNEXURE-II

SCHEDULE IV FORMAT FOR QUOTING SCHEDULE FOR THE SUPPLY OF TOOLS AT CENTRAL ENGINEERING DIVISION,HLL,PEROORKADA

CINO	DESCRIPTION OF ITEM	SDECIFICATIONS	MAKE	UNIT	QUANTITY	RATE	AMOUNT
SINo	DESCRIPTION OF ITEM Electrical Items	SPECIFICATIONS	WAKE	UNIT	QUANTITY	KAIE	AMOUNT
1	Tool Box (Multipurpose with multilayer)	As Per IS &IEC Standards	FLUKE	Nos	1.00		
		Range: 0.4 to 20 meter per sec					
		80 to 4000 FPM					
		Temperature -10 deg to 50 deg Operation : Rechargable battery					
		operated Mode of					
		Detection and display : Indication					
		and detection should be separately mounted with wire connection with					
		each other.LCD Display with back					
		light.					
		Data hold function Auto power "OFF" and low power					
		indicator, should be as per IS &IEC					
2	Annemometer	standards.		Nos	1.00		
		Measurement range : - 20 deg to					
		500 deg Accuracy : +/- 2.5					
		deg D/S : Ratio 12:1 Emissivity : 0.95					
		Celcsius/Farenheit display					
		selection back light display.					
	Infrared Digital Thermometer with Laser	Power source : Rechargable battery,should be as per IS &IEC					
3	Targeting	standards.	FLUKE	Nos	1.00		
		6 6 Digit clear LCD display with					
		optional back light Data hold function					
		Auto power "OFF" and low power					
4	Electronic Tachometer	indicator . Battery operated,	FLUKE	Nos	1.00		
		AC Voltage: 450 V					
		DC voltage: 1000 V					
		Current : 1000 A Resistance : 60 MΩ					
		Frequency : 50 Hz					
		Frequency from clamp : 400 Hz					
		Continuity Buzzer Digital display with back light and					
		data hold function Auto power					
		"OFF" and low power indicator,					
		auto range facility. Rechargable Battery operated					
		should be as per IS &IEC					
5	Clamp meter digital (AC/DC)	standards.	FLUKE	Nos	1.00		
		Range: 0 to 240 V AC					
		Frequency : 50 Hz Detection < 5 mm					
		Operating temperature : 10 to 130					
		Deg Humidity < 85					
		deg					
		Battery operated rechargable type,should be as per IS &IEC					
		standards, should be as per IS					
6	Non - Contact AC Voltage Detector	&IEC standards.	FLUKE	Nos	1 .00		
		le accidate el trona					
		Insulated type Should be made from heavy gauge					
		steel heat treated, chemically					
		blackened with cushion grip					
		handles Crimp capacity: 1.5 to 63 sq mm, should be as per IS &IEC					
7	Crimping Tool kit	standards.					
	a)1-16mm		KENNEDY	Nos	1.00		
_	b)10-95mm	aarhida tinnad Halasa	KENNEDY	Nos	1.00		
8	Holesaw Cutter a)15mm carbide tipped holesaw	carbide tipped Holesaw comprises of 14 mm to 64 mm	KENNEDY	Nos	2.00		
	b)16mm carbide tipped holesaw	cutting edges,should be as per IS	KENNEDY	Nos	2.00		
	b)18mm carbide tipped holesaw	&IEC standards.	KENNEDY	Nos	2.00		
	c)20mm carbide tipped holesaw d))22mm carbide tipped holesaw	-	KENNEDY KENNEDY	Nos Nos	2.00		
	e)25mm carbide tipped holesaw	1	KENNEDY	Nos	2.00		
	f)28mm carbide tipped holesaw]	KENNEDY	Nos	2.00		
	g)30mm carbide tipped holesaw	4	KENNEDY	Nos	2.00		
	h)32mm carbide tipped holesaw i)36mm carbide tipped holesaw	-	KENNEDY KENNEDY	Nos Nos	2.00 2.00		
	h)40mm carbide tipped holesaw	1	KENNEDY	Nos	2.00		
		-				-	-

SINo	DESCRIPTION OF ITEM	SPECIFICATIONS	MAKE	UNIT	QUANTITY	RATE	AMOUNT
5.110	DECOM HON OF HEM	OI LOI IOATIONO	MAINE	5.411	30AHIII	NAIL	AINOUNT
		Type: Rolled Forged HSS E Type					
9	Drill Set	3 mm to 12 mm bit	Bosch/Addison	Set	2.00		
		Mini hand saw with plastic pistol					
		grip with slip resistant grooves with					
10	Hacksaw frames with blade	6 " blade	Taparia	Set	3.00	ļ	
		Temperature : upto 600 deg					
		Rating: 240 V, 50 Hz					
		Over heating protection					
11	Heat guns	required.,should be as per IS &IEC standards.	Bosch	Nos	1.00		
- ' '	rieat guris	standards.	DOSCII	1103	1.00		
		Temperature - 20 to 1000 deg					
		Humidity: 0 t0 90 %					
		Sound Level: 35to 100 db					
		illumination : 4000 to 40000 lux					
		AC/DC Voltage: 450 V AC/DC Current: 10 A Resistance:					
		40MW Capacitance : 200 mF					
		Frequency 0 to 200 KHz					
		Continuity facility , LCD display					
		with optional back light					
		Data hold function Auto power "OFF" and low power					
		indicator . Battery operated,					
		should be as per IS &IEC					
12	Multimeter	standards.	Fluke	Nos	2.00		
13	Soldering Kit	As Per IS &IEC Standards	Stanley	Set	1.00		
14	Wire stripper & Cutter	As Per IS &IEC Standards	Taparia	Set	2.00		
15	Line Tester	As Per IS &IEC Standards	Taparia	Nos	3.00		
16	Screw Driver set(Combination set)	As Per IS &IEC Standards	Taparia	Nos	2.00		
17	Cable tie	As Per IS &IEC Standards	Edison	Lot	1.00		
18	Cable Lugs	As Per IS &IEC Standards	Edison	Lot	1.00		
19	Torque Range(2 mm to 32 mm)	As Per IS &IEC Standards	Taparia	Set	1.00		
	Mechanical Items					ļ	
1	Vernier Caliper Digital	Type:Manual	Mitutoyo	Nos	1.00	-	
		Range0-150mm / 0-6"				-	
		Vernier graduation0.02mm					
		Accuracy±0.04mm					
		Depth barBlade	•				
		RemarksHigh accuracy model					
		,should be as per IS & IEC					
2	Motal Shoot Cuttor/Tip Cuttor/Science Cuttor	Standards	Toporio	Non	1.00	-	
2	Metal Sheet Cutter(Tin Cutter/Scissor Cutter	T T	Taparia	Nos	1.00	1	
		Drop forged, Chrome Vanadium Steel ,Induction Hardend					
		Should be as per IS & IEC Standard	s				
3	Portable surface Finish Testing Machine	Measuring range17.5mm	Mitutoyo	Nos	1.00		
	<u> </u>	Measuring speed0.25, 0.5,	•				
		0.75mm/s 1mm/s (Returning)					
		Drive unitStandard type	•		· ·		
		Detector range360µm (-200µm to					
		+160μm)					
		Measuring Force4mN				-	
		Stylus tip radius5µm External I/OUSB I/F. Digital output,					
		Printer output, RS-232C I/F, Foot					
		SW I/F					
		Power SupplyTwo way power					
		supply: battery (rechargeable Ni-					
		MH battery) and AC adapter					
		Data storageMemory card					
		Detector Conical taper angle90°					
		As Per IS &IEC Standards					

SINo	DESCRIPTION OF ITEM	SPECIFICATIONS	MAKE	UNIT	QUANTITY	RATE	AMOUNT
4	Bevel Protactor	As Per IS tandards	Mitutoyo	Nos	1.00		
5	Screw Gauge	As Per IS Standards	•				
		Accuracy: Refer to the list of					
		specifications					
		Resolution: 0.001 mm or					
		.00005"/0.001 mm					
		Flatness: 0.3µm					
		Parallelism: 2µm for models up					
		to 80mm					
		3µm for models up to 105 mm	Mitutoyo	Nos	1.00		
6	MeasuringTape (50 Mtr)	As Per IS tandards	Taparia/Freemans	Nos	1.00		
7	MeasuringmTape (5 Mtr)	As Per IS tandards	Taparia/Freemans	Nos	1.00		
8	Engineering Instrument Box	As Per IS tandards	Taparia	Nos	1.00		
9	Laser Height Measuring meter	As Per IS tandards	Bosch	Nos	1.00		
10	Pipe Range(Medium& Large)	As Per IS tandards	Taparia	Nos	1.00		
11	Nose Plier	As Per IS tandards	Taparia	Nos	1.00		
12	Plumb Bob	As Per IS tandards	Taparia	Nos	1.00		
13	Spirit Level	As Per IS tandards	Taparia	Nos	1.00		
14	Microgauge Digital(inside &outside)	As Per IS tandards	Mitutoyo	Nos	1.00		
15	Magnetic Compas Box	As Per IS tandards	Brunton	Nos	1.00		
40	Electric TIG & Arc Welding Machines with	A - D IC 4 11-	N 4:11	Non	4.00		
16 17	Accessories (2-ph ,2 Kw ,230 V) Chipping Hammer	As Per IS tandards As Per IS tandards	Miller Taparia	Nos	1.00 1.00		
18	11 0	As Per IS tandards	Mitutoyo	Nos.	1.00		
19	Caliper out side Caliper Inside	As Per IS tandards As Per IS tandards	Mitutoyo	Set	1.00		
20	T -Allen Key (2 mm to 10 mm)	As Per IS tandards	Taparia	Set	2.00		
21	Circlip Plier (Inside & Outside)	As Per IS tandards	Tapana	Nos	1.00		
22	Grip Plier (Inside & Odiside)	As Per IS tandards	Tapana	Nos	1.00		
23	C clamp (8")	As Per IS tandards	Tapana	Nos	2.00		
24	Viceclip Plier	As Per IS tandards	Tapana	Nos	2.00		
25	Monkey Plier	As Per IS tandards	Tapana	Nos	2.00		
26	Tap Set(2 mm to 12 mm)	As Per IS tandards	Taparia	Set	2.00		
27	Tap Range(13-20mm)	As Per IS tandards	Tapana	Set	1.00	1	
28	Portable Oil free Air Compressor(4 Kg)	As Per IS tandards	Kobe	Nos	1.00		
29	Pnematic wrench	Supply of pneumatic wrench	Kobe	Nos.	1.00		
		as per the following					
		specifications :-					
		Make :KOBE					
		Size :1/2" drive impact wrench-					
		Heavy Duty					
		Torque : 880NM					
		Air inlet :1/4" NPT					
		Air consumption : 7.5CFM					
		Forward –Reverse position					
		Free speed -7000RPM					
		<u>r</u>					
	Basic Price In Rs.		l		<u>I</u>		
	Packing & forwarding charges in Rs.						
 	Frieght charbes in Rs.						
 	Excise duty in Rs.						
-	Other charges if any in Rs.						
 	Gross Amount in Rs.						
	GIUSS AIIIUUIIL III KS.]				

(In words)

I agree to supply all the items as per schedule at the rates quoted by me as above and the terms and conditions of the tender document.

SIGNATURE OF THE SUPPLIER