



इरकॉन इन्टरनेशनल लिमिटेड
नवरत्न कम्पनी
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
NAVRATNA COMPANY
(A Govt. of India Undertaking)



No. IRCON/ELECT/5017/NELS.DD/M&P/L4/OT/43/LOA/06/544 Date: 28.10.2024

To,

M/s BEMCO HYDRAULICS LIMITED

Building / Flat No.: 691

Road / Street No. – Khanpur Road

Udyambag, Belagavi, Karnataka - 590 008

Tele/Fax no. : 0831- 2441263

Mob – 08750305291

E-mail - marketing@bemcohydraulics.net

Dear Sir,

Sub:-Supply, Installation, Testing and Commissioning of Machine & Plants (M&P, L4), etc. in Connection with setting up of New Electric Loco shed at Daund, Sholapur Division, Central Railway - **Letter of Acceptance (LOA)**

Ref.:1) e-Procurement No.: IRCON/ELECT/5017/NELS.DD/M&P/L4/OT/43 Date: 12.09.2024

2) Your e-Tender opened on 15.10.2024 and financial e-bid opened on 23.10.2024

3) Corrigendum No.01 dated.03.10.2024

1. The competent authority for and on behalf of Ircon International Limited has accepted your offer for a sum of Rs. 2,16,05,302.37 (Rupees Two Crore Sixteen Lakh Five Thousand Three Hundred & Two and Thirty Seven Paise Only) inclusive of Goods and Services Tax (GST), other taxes, duties, levies etc. (Detailed Bill of Quantities is enclosed as Annexure-A) as per Clause no.7.0 of Special Conditions of Contract (SCC).
2. You are requested to submit the following within 21 days of issue of this letter but before signing of the Agreement, whichever is earlier:



28/10/2024



- a. Performance guarantee for an amount of Rs.10,80,500/- (Rupees Ten Lacs, Eighty Thousand & Five Hundred only i.e. 5% of the contract value Rs.2,16,05,302.37) valid initially up to 29.05.2025 (i.e. stipulated date of completion plus 60 days beyond that) in the form detailed in Clause no.: 8.1 of Special Conditions of Contract (SCC).
 - b. Detail Programme for execution of Works as per Clause no.:9.0 of Special Conditions of Contract.
 - c. Signing of Contract Agreement with requisite value of stamp paper as per Clause no.: 14.0 of Special Conditions of Contract.
3. You are requested to attend office on or before 25.11.2024 for signing of the Contract Agreement (i.e. a date within 28 days of issue of this letter as per Clause no.14.0 of Special Conditions of Contract).
 4. Taxes, Duties & Levies etc. shall be applicable as per Clause 7.0 of SCC (Special Conditions of Contract).
 5. The deduction of retention money shall be recovered from your on account bills @ 10% of the gross value of each on account bill till the sum total of retention money reaches 5% of the contract value of the work (Clause No.8.2 of Special Condition of Contract).
 6. The mode of payment, payment terms & Tax Deduction at Source (TDS) shall be made in accordance as per Clause 13.0 of SCC. The Contractor should issue Tax Invoice showing IGST/CGST/SGST/UTGST as applicable.
 7. You are requested to commence the work immediately as per enclosed Bill of Quantities (BoQ) and Technical Specification / Make. The entire work shall be completed within a period of 5 (Five) months from the date of issue of this LOA.
 8. This letter of acceptance is being sent in duplicate. One copy may please be signed, stamped and returned to this office in token of unconditional acceptance.



9. All other terms and conditions contained in the e-Tender documents dated 12.09.2024 shall form part and parcel of the contract.

10. You are requested to contact "**Chief General Manager (Electrical) Ircon International Limited, 4th Floor, C-4, District Centre, Saket, New Delhi - 110 017**" for further instructions and future correspondence.

Please acknowledge the receipt,

Thanking You,

Yours Faithfully,
For & on behalf of
Ircon International Limited


(Surendra Yadav)
Chief General Manager/Electrical


Encl: - Bill of Quantities/Schedule of Items & Technical Specification-08 Pages

Copy to -

1) **Dy. General Manager/Fin:** B-40A, Sector-1, Noida (UP) - 201 301.



Supply, Installation, Testing and Commissioning of Machine & Plants (M&P) for NELS, Daund



LOA No.: IRCON/ELECT/5017/NELS.DD/M&P/L4/OT/43/LOA/06/544 Date: 28.10.2024

SCHEDULE OF QUANTITIES / BILL OF QUANTITIES (BOQ)

Name of work : Supply, Installation, Testing and Commissioning of Machine & Plants (M&P, L4), etc. in Connection with setting up of New Electric Loco shed at Daund, Sholapur Division, Central Railway

Summary Sheet of Bill of Quantities							
Sr. No.	Description of Schedule	Unit	Qty.	Estimated Cost (in INR) (including GST)	Rate quoted by Contractor as percentage above/below/ at-par-over the estimated rates		Price (in INR) (including GST)
					%age in Figures	%age in Words	In Figures
1	2	3	4	5	6	7	8
1	Supply, Installation Testing and Commissioning of Dynamic Balancing Machine as per attached technical specification	No	1	8,94,274.23	4.80	Four point eight zero	9,37,199.40
2	16 Channel Data Logger including RTD, as per Detailed Specification attached as annexure. Offered Make: SILCORE.	No	1	4,76,184.60	4.80	Four point eight zero	4,99,041.47
3	Design, Manufacturing, supply, installation, commissioning and providing of the Baking oven with trolley type system on turnkey basis along with 05 Years AMC after completion of 02 year warrantee period.	No	1	24,59,457.90	4.80	Four point eight zero	25,77,511.88
4	Design, Manufacturing, supply, installation, commissioning and providing of Electric Baking oven as per specification. Make - SCIENCE TECH	Nos	1	13,46,731.02	4.80	Four point eight zero	14,11,374.11
5	Supply, erection, testing and commissioning of Induction heaters with intelligent micro controller based electronic control, Portable to carry Suitable for removing /mounting bearing racers/seal PE rings of 3 phase and Conventional TM and for inner racer as per Technical Specification enclosed along with standard accessories - 2 Nos./set. :Precision Model:PIHR 30 (or) GM Industries (or) SKF (or) FAG only.Note: Item to be supplied along with warranty certificate (24 months from the date of commissioning). MAKE/BRAND: PRECISION	No	1	25,94,038.84	4.80	Four point eight zero	27,18,552.71



[Signature]

[Signature]
28/10/2024



Sr. No.	Description of Schedule	Unit	Qty.	Estimated Cost (in INR) (Including GST)	Rate quoted by Contractor as percentage above/below/ at-par-over the estimated rates		Price (in INR) (Including GST)
					%age in Figures	%age in Words	In Figures
1	2	3	4	5	6	7	8
6	Supply, installation and commissioning of vertical induction heater model UIH-2004-Flair(40 KVA), spec as per annexure A attached. Warranty/guaranty as per Railway standard condition of contract (warranty/ guarantee of 24 month) MAKE: UNITECH OR SIMILAR	No	1	4,51,774.82	4.80	Four point eight zero	4,73,460.02
7	Supply, Installation, Testing and Commissioning of Transformer lifting / lowering trolley for 3-Phase loco WAG9 as per technical specification and drawing. Make: Samand (Warranty Period: 30months from date of Supply)	No	1	13,02,354.49	4.80	Four point eight zero	13,64,867.51
8	Set of tube bending machine with movable trolley and other tools for maintenance of Pneumatic pipelines for pneumatic brake circuit of Electric Locos as per S.C.Rly. Specn. No.: C/ELS/LGD/Spec./TBM/0060 Make: INDER, HSN Code: 8462.21.00	No	1	3,58,915.40	4.80	Four point eight zero	3,76,143.34
9	Fire Detection unit sensor filter of WAG9 Locomotives as per CLW specification No. CLW/ES/3/0057. (Warranty Period : Upto 30 months from the date of supply)	No	1	1,441.44	4.80	Four point eight zero	1,510.63
10	A SET OF NICKEL-CHROMIUM TEST PANELS, AS PER RDSO SPEC NO. RDSO/M&C/ NDT/ 106/ 2007 (REV-2) OCTOBER 2020 OR LATEST HAVING CRACK DEPTH OF 20, 30 AND 50 MICRON ON INDIVIDUAL PANELS WITH TEST CERTIFICATE. EACH PANEL SHALL BE ENCLOSED IN A SUITABLE CARRYING CASE (Warranty Period : Upto 30 months from the date of supply)	No	1	2,16,980.13	4.80	Four point eight zero	2,27,395.18



Sr. No.	Description of Schedule	Unit	Qty.	Estimated Cost (in INR) (Including GST)	Rate quoted by Contractor as percentage above/below/ at-par-over the estimated rates		Price (in INR) (Including GST)
					%age in Figures	%age in Words	In Figures
1	2	3	4	5	6	7	8
11	SUPPLY, INSTALLATION AND COMMISSIONING OF FULLY AUTOMATIC TAN DELTA TESTING MACHINE ALONG WITH CALIBRATION BOX AND NECESSARY ACCESSORIES AS PER COFMOW SPECIFICATION NO: COFMOW/IR/ATDTS-2K OR LATEST ATTACHED. OEM SUBAL ELECTRONICS (Warranty Period : Upto 60 months from the date of supply)	No	1	6,94,113.87	4.80	Four point eight zero	7,27,431.34
12	Muffle Furnance as per detailed specification. Make: SCIENTECH	No	1	1,62,811.18	4.80	Four point eight zero	1,70,626.12
13	Digital tensile testing machine as per the specification enclosed. MAKE/BRAND: BANBROS (Warranty Period : Upto 30 months from the date of supply)	No.	1	3,29,126.38	4.80	Four point eight zero	3,44,924.45
14	Automatic Digital Rockwell Hardness Tester with Standard Reference Blocks, Tools & Accessories as per IS: 1586/Pt. 1/2/3/2018. Technical & Quantitative requirements as per attached Annexure-1. Make- FIE, BIE, Metior, Chennai Metco or similar. Make - SAMARTH (Warranty Period : Upto 30 months from the date of supply)	No	1	3,83,063.92	4.80	Four point eight zero	4,01,450.99
15	Supply, Installation, of HEAVY DUTY four Bearing Pedestal Grinder (3-Phase) with starter as per attach Annexure-A (Warranty Period: 24 months from date of Supply)	No	1	3,95,396.49	4.80	Four point eight zero	4,14,375.53
16	Pillar Drill Machine, Capacity 40mm as per technical Specification attached as annexure-(I)	No	1	3,20,169.03	4.80	Four point eight zero	3,35,537.15



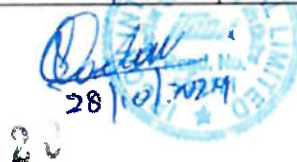
Sr. No.	Description of Schedule	Unit	Qty.	Estimated Cost (in INR) (Including GST)	Rate quoted by Contractor as percentage above/below/ at-par-over the estimated rates		Price (in INR) (Including GST)
					%age in Figures	%age in Words	In Figures
1	2	3	4	5	6	7	8
17	Supply, Testing and Commissioning Of Ferrous Debris Monitor For Detecting Ferrous Particle In Lubricants, oil and Grease as per annexure Firms Offer : Supply, Testing and Commissioning Of Ferrous Debris Monitor For Detecting Ferrous Particle in Lubricants, oil and Grease as per Specification and our Compliance attached and INDUCE ANNEXURE A & B attached (Warranty Period : Upto 30 months from the date of supply)	No	1	12,85,460.00	4.80	Four point eight zero	13,47,162.08
18	Portable balancer with standard accessories of specifications. (1) Power supply: 230V, 50Hz (+/-) 10% (2) Sensor: piezo-electronic accelerometer with built in charge amplifier in stainless steel body. (3) Speed range: 500-6000 RPM. (4) Indicated parameters: vibration, velocity, displacement and rotor RPM on digital LCD display. Make: Baseline technology (Model: Portable balancer 1000D) or equivalent in Digivibe or Fluke. Make/Brand: BASELINE-1000D	No	1	1,51,363.95	4.80	Four point eight zero	1,58,629.42
19	Supply, Installation Testing and Commissioning of Surge Comparison tester 0-10kV surge voltage as per TMW Spec. no. 4TMW/SPEC/194/Rev-3 Note - Material should supplied with warranty certificate and calibration certificate traceable to NABL standards, Make: VIVID, Model VMS1001 or equivalent	No	1	5,49,470.94	4.80	Four point eight zero	5,75,845.55



Sr. No.	Description of Schedule	Unit	Qty.	Estimated Cost (in INR) (Including GST)	Rate quoted by Contractor as percentage above/below/ at-par-over the estimated rates		Price (in INR) (Including GST) In Figures
					%age in Figures	%age in Words	
1	2	3	4	5	6	7	8
20	Set of loop boxes as per Specification No. CLW/ES/3/0538 Alt A issued on august 2013. Set consists of 03 items as follows. (i) 9 pin loop box--02 Nos./set. The box should have 02 numbers screened cable of 1 meter length. One with a sub- D male & other with a sub-D Female connector & 09 numbers of shorting links. Dimension of the box (LXBxH in cm): 12x8x6. (ii) 15 pin loop box-- 02 Nos./set. The box should have 02 numbers screened cable of 1 meter length. One with a sub- D male & other with a sub-D Female onnector & 15 numbers of shorting links. Dimension of the box (LXBxH in cm): 12x8x6. (iii) 25 pin loop box--01 No./set. The box should have 02 numbers screened cable of 1 meter length. One with a sub- D male & other with a sub-D Female connector & 25 numbers of shorting links. Dimension of the box (LXBxH in cm): 12x8x6. MAKE : KEC	No	1	2,18,836.91	4.80	Four point eight zero	2,29,341.09
21	(i) Flexible permanent Magnetic Yoke for magnetic particle testing (weight of yoke shall more than 700 gms and should be flexible) lifting capacity shall be 25 Kgs at 100mm pole spacing shall be capable of testing with dry powder as well as wet powder with certificate. (Warranty Period : Upto 30 months from the date of supply)	No	1	37,810.00	4.80	Four point eight zero	39,624.88
22	(ii) Flexible Permanent Magnetic Yoke (Rope type) for magnetic particle testing. It shall meet the requirements:- a) Specification IS:3703 (2004) or ASTM709 or ASTM E1444, b) Weight of Yoke shall be more than 500gms and should be flexible c) Its lifting capacity shall be 18 Kgs. at 100 mm pole spacing d) Shall be capable of testing with dry powder as well as wet powder.	No	1	44,436.97	4.80	Four point eight zero	46,569.95



Sr. No.	Description of Schedule	Unit	Qty.	Estimated Cost (in INR) (Including GST)	Rate quoted by Contractor as percentage above/below/ at-par-over the estimated rates		Price (in INR) (Including GST) In Figures
					%age in Figures	%age in Words	
1	2	3	4	5	6	7	8
23	Digital Rubber hardness tester, Display: LCD, Case: High impact ABS, Resolution : 0.1H, Range : 0-100H, Measurement deviation : < + 1 H, Operating condition temp : 0 - 40 degree Celcius, Humidity < 80%, Batteries :2x1.5V AAA(UM-4), Size : 176x63x25mm, Accessories: Main unit, Test block, Carrying case. Make :MITUTUYO, MET LAB, PIE or Equivalent. MAKE/BRAND:- ACCUPLUS (Warranty Period : Upto 30 months from the date of supply)	No	1	21,522.50	4.80	Four point eight zero	22,555.58
24	Moisture Content Tester (Moisture and Temperature Meter) For Spot Checking for Transformer Oil as per enclosed specification given in the Annexure For Three Phase Ac Locomotives. Necessary calibration certificate to accompany with supplies, traceable to NABL. Makes accepted: E+E Elektronik, Karlfischer, Panomex. Note: 1) Firm should mention the warranty period of material in the tender and supply should be along with certificate. 2) Only authorized dealers to quote along with valid dealership certificate. (Warranty Period : Upto 24 months from the date of supply)	No	1	3,14,182.39	4.80	Four point eight zero	3,29,263.15
25	Electric Pipe Threading Machine 28 RPM similar to forzer make model no. AA-M11 with following standard items (a) one set Die Head (BSP/NPT) - 1/2, 3/4, 1, 2 inch (b) Chaser set - 1/2 - 3/4, 1 - 2 inch (c) Pipe cutter with cutter wheel (d) Reamer (e) 1 litre threading, cutting oil. Accessories (a) 2 Litre Oil (b) Tool Kit (C) Instruction Manual. Note: Item to be supplied along with warranty certificate Firm's Offer: As above Make/Brand - INDER HSN Code - 8459 (Warranty Period : Upto 30 months from the date of supply)	No	2	85,905.92	4.80	Four point eight zero	1,80,058.81


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1	2	3	4	5	6	7	8
26	Supply and Commissioning of Battery Operated Platform Truck 4 Wheeler Cap. - 2 Ton as per Make/Model: OEM JOSTS	No	2	6,46,522.43	4.80	Four point eight zero	13,55,111.02
27	Battery operated Fork Lifter, Capacity-min.3000 Kg, Lift height 4 - 4.5 mtr or more of Make/Model:-JOSTS JF830 4.5 PD or equivalent of GODREJ or VOLTAS.	No	2	20,47,737.88	4.80	Four point eight zero	42,92,058.60
28	Hand operated hydraulic pallet trolley capacity 2.5 Ton as per specification given in Annexure 'I'. ACCEPTED MAKE: NIDO	No	2	22,748.34	4.80	Four point eight zero	47,680.53
					Total Price =		2,16,05,302.37



Signature Not Verified

Digitally signed by JAYAKRISHNAN CHANDRAS
Date: 2024.12.03 11:03:56 IST
Location: eProcurement System for Central PSUs