



భారత్ హెవీ ఎలక్ట్రికల్స్ లిమిటెడ్
भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
Site office, 5 X 800 MW Yadadri Thermal Power Project
Dhamaracharla (M), Nalgonda(Dist), Telangana 508355

Ref: YTPS: SCT: 202209-124:Corrigendum.

Date: 28.09.2022

To,

All Bidders

Sub: **Corrigendum-1:**

Job: YTPS:SCT:202209:124-Erection, Testing & Commissioning including Handling of materials at site BHEL stores/storage yard, transporting to site of erection and supply & application of final painting of Control and Instrumentation (C&I) works for Unit 1 & 2 of 5x800 MW Yadadri Thermal Power Plant at Veerlapalem Village, Damercherla Mandal, Nalgonda DT., TSGENCO, Telangana, India.

Tender Specification No. - YTPS: SCT: 202209-124 & Date - 16.09.2022

Bidders to kindly take note of following:

A. The following details in Clause No. 1.0 Salient Features of NIT in NOTICE INVITING TENDER are revised as below: -

Published	Existing	Revised
SI No vii) EMD Amount	-Rs. 13,00,000/- (Rs. Thirteen Lakhs Only) - Refer Volume-IC of General Conditions of Contract (Volume-I, Book-II) for mode of payment of Earnest Money Deposit (EMD) -Exemption of EMD for MSEs is not applicable for this tender. -One time EMD is not applicable for this tender.	-EMD is not applicable for this tender. -Bidders to submit the Bid security Declaration as per the attached format

B. WEIGHT SCHEDULE - VOLUME-IIA -Price bid may be read as per attachment in next pages.

All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing.

Bidders are requested to submit as a part of Technical Bid, a copy of this corrigendum duly countersigned by the authorized signatory and stamped with the Official seal as a token of Bidder's unqualified acceptance of this corrigendum.

Thanking You,

For and on behalf of
Bharat Heavy Electricals Limited
Sandeep Kumar
Sandeep Kumar
Manager / Purchase & SCT
28/09/2022

NOTICE INVITING TENDER

BID SECURITY DECLARATION

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : BID SECURITY DECLARATION

Ref : 1) NIT/ Tender Specification No.YTPS:SCT:202209-124,
2) All other pertinent issues till date

We hereby accept that if we withdraw our offer /modify /change / alter / impair /derogate the offer on our own after Opening of Tender or within the subsistence of the validity period of offer or fail to accept the Letter of Intent/Award issued by BHEL or if we are awarded the contract and we fail to sign the contract, or to submit the Bid bond and/or Security Deposit before the deadline defined in the Tender Document or if we furnish forged/bogus certificates, we will be suspended for a period of 2 years from being eligible to submit Bids for Contracts with BHEL PSSR, Chennai.

We also agree that unilateral revision or withdrawal of offer by us as mentioned above shall also result in rejection of bid/our offer without Notice.

COMPANY SEAL

SIGNATURE

NAME

DESIGNATION

COMPANY NAME

DATE

Tender Specification No.: YTPS: SCT: 202209-124

Bharat Heavy Electricals Limited						
Project - 5x800 MW Yadadri TPS						
Volume-II Price Bid (Revised Weightage)						
Tender No. - YTPS: SCT: 202209-124						
Erection, Testing & Commissioning including Handling of materials at site BHEL stores/storage yard, transporting to site of erection and supply & application of final painting of Control and Instrumentation (C&I) works for Unit 1 & 2 of 5x800 MW Yadadri Thermal Power Plant at Veerlapalem Village, Damercherla Mandal, Nalgonda DT., TSGENCO, Telangana, India.						
Bidder's Name						
Ref. No.	Description	UOM	Qty	Rate	Amount	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
I	ERECTION AND COMMISSIONING OF LOCAL/FIELD MOUNTED INSTRUMENTS					
B.1.1	PD Type Mass flow meter in HFO,LDO/HSD & HFO return line with mounting flanges, electronics amplifier box, inter connecting cabling, etc.	SET	6	₹ 0.00	₹ 0.00	0.0001059
A.9.1, A.9.2, A.9.4, B.14.1.4, B.14.1.5, D.3.14, E.1.3, G.7.5, K.2.1, K.2.5, K.2.6, K.5.6, K.11.8, G.5.3, G.6.2	Pressure Transmitters / DP Transmitters / DP Type flow transmitters	Nos	1445	₹ 0.00	₹ 0.00	0.0110581
A.9.3, A.9.5, B.14.1.3, E.1.7, K.2.3, K.5.7	Level Transmitter (Guided Wave/Ultrasonic Type) along with accessories	Nos	178	₹ 0.00	₹ 0.00	0.0056482
A.9.7, A.9.8, B.1.2, B.6.1, B.14.1.1, C.1.1, D.3.2, D.3.13, E.1.1, E.1.2, E.4.1, F.1.4, G.5.2, G.6.1, G.7.6, G.11.3, K.2.2, K.3.2, K.4.2, K.5.8, K.6.16, K.11.11, K.11.12	Pressure / DP Gauge/Reverse Rotation Indicators	Nos	1942	₹ 0.00	₹ 0.00	0.0108848
K.11.1	Pressure Gauge with Switches	Nos	115	₹ 0.00	₹ 0.00	0.0007735
A.9.10, B.1.3, B.6.3, B.14.1.7, C.1.2, D.3.4, D.3.7, D.3.11, E.4.4, E.5.3, F.1.5, G.5.5, G.6.4, G.7.4, G.11.2, G.11.5, E.1.11	Temperature Gauge	Nos	814	₹ 0.00	₹ 0.00	0.0067037
A.9.11, B.1.5, F.1.6, F.1.7, K.2.4, K.5.9	Level Gauge	Nos	16	₹ 0.00	₹ 0.00	0.0003195
A.9.9, B.1.4, B.6.2, B.6.16, B.6.18, D.3.1, D.3.16, E.1.4, K.3.1, K.4.1, K.5.5	Pressure / Differential Pressure Switch / Temperature Switch	Nos	831	₹ 0.00	₹ 0.00	0.0058253
A.9.12, B.6.17, B.14.1.2, E.4.2, G.11.1, E.3.2, G.5.6	Level Switches (RF/Float/Capacitance/Conductivity type) along with accessories	Nos	138	₹ 0.00	₹ 0.00	0.0028856
A.9.6, B.1.6, B.14.1.6, B.14.1.15, D.3.3, D.3.8, D.3.12, E.1.5, E.2.1, G.5.4, G.6.3, G.7.1, G.7.2, E.3.1	Temperature Elements(RTD/Thermocouple with Thermowell) / Flow Elements	Nos	1500	₹ 0.00	₹ 0.00	0.0108064
A.9.14	E/P Converters; I/P Converters,	Nos	62	₹ 0.00	₹ 0.00	0.0004189
E.1.10, D.3.15, G.7.7	Position Transmitters	Nos	40	₹ 0.00	₹ 0.00	0.0003396
B.6.19	ERV Controller with Pressure Switch App.Dimension(mm): 400x350x190; App.Wt: 10 kg	SET	8	₹ 0.00	₹ 0.00	0.0003337
B.1.7	FSSS Local Oil Gun Maintenance Switch Box	Nos	32	₹ 0.00	₹ 0.00	0.0004137
B.1.8, F.1.3	H.E.A Exciter Box with Accessories	SET	33	₹ 0.00	₹ 0.00	0.0007487
B.1.9, F.1.1	Flame Scanner Head Assembly with accessories	SET	65	₹ 0.00	₹ 0.00	0.0014398
B.5.2	Feeder Coal Flow Assembly flange mounted with Electronics	SET	16	₹ 0.00	₹ 0.00	0.0011037
B.6.4, B.6.5, B.6.6, B.6.7, B.6.8, B.6.9, D.3.9, E.1.6, G.2.1	MTM T/C (Route Length 8 to 18 MM) - 8MM OD	Nos	578	₹ 0.00	₹ 0.00	0.0090279

Volume-II Price Bid (Revised Weightage)						
B.6.10, B.6.11, B.6.12, B.6.13, B.6.14	MTM T/C (Route Length 20 to 28 MM) - 8MM OD	Nos	480	₹ 0.00	₹ 0.00	0.0139541
B.6.15	MTM T/C (Route Length 30 to 40 MM) - 8MM OD	Nos	24	₹ 0.00	₹ 0.00	0.0007178
D.3.5, G.5.1	Flow Switch/Flow meter/Flow Indicator/Vacuum Switch	Nos	12	₹ 0.00	₹ 0.00	0.0001672
D.3.6	GO No GO Switch	Nos	4	₹ 0.00	₹ 0.00	0.0001635
D.3.10	On/Off Switch Box including light assembly and interconnecting heat resistant cable	SET	4	₹ 0.00	₹ 0.00	0.0000832
E.2.2, E.4.3, G.11.6	Thermowells (Screwed & Welded)	Nos	108	₹ 0.00	₹ 0.00	0.0004084
E.1.8, G.7.8	Speed Measuring Loop/Speed Probe/Speed Sensor	Nos	24	₹ 0.00	₹ 0.00	0.0001596
B.14.1.16, J.1.1	Flow Transmitters (Other than DP type)	Nos	49	₹ 0.00	₹ 0.00	0.0015548
B.11.1.1, B.11.1.2, B.11.1.3	Air Filter Regulator-1/4"(OR) 1/2"(OR) 1"	Nos	64	₹ 0.00	₹ 0.00	0.0002975
B.14.1.8, B.14.1.9, B.14.1.10,	Analyzers (Ammonia Leak Detection/Density/pH/Conductivity)	Nos	19	₹ 0.00	₹ 0.00	0.0005683
E.1.9	Proximeter Units, Local Field Cable etc. for Governing Sytem	SET	80	₹ 0.00	₹ 0.00	0.0005763
C.1.3	Averaging Pitot Tube	SET	6	₹ 0.00	₹ 0.00	0.0001424
A.28.6	Fire protection switches & Emergency Push Buttons	Nos	16	₹ 0.00	₹ 0.00	0.0002631
II	ERECTION AND COMMISSIONING OF SPECIAL INSTRUMENTS					
A.10.1, A.10.2, B.14.1.11	High Temp/Low Temp O2 Analyzer	SET	32	₹ 0.00	₹ 0.00	0.0052712
A.10.5, D.1.1	Opacity Monitor	SET	10	₹ 0.00	₹ 0.00	0.0022870
A.10.6	SOX/NOX/CO (Combined) Analyzer	SET	2	₹ 0.00	₹ 0.00	0.0013430
A.10.3, A.10.4, A.10.7, A.10.8, B.14.1.12, B.14.1.13, B.14.1.14	CO/Velocit/HF/Mercury/NOX/SOX/NH3 Analyzer	SET	42	₹ 0.00	₹ 0.00	0.0224781
A.11.1, A.11.2, A.11.6, A.11.7	SWAS System	SET	2	₹ 0.00	₹ 0.00	0.0038034
III	ERECTION AND COMMISSIONING OF UPS/BATTERY & BATTERY CHARGER					
A.13.1	2X180 kVA UPS	SET	3	₹ 0.00	₹ 0.00	0.0044995
A.13.9, A.13.17	2X10 / 2X20 kVA UPS	SET	2	₹ 0.00	₹ 0.00	0.0018012
A.13.26.1	1 kVA/1.5 kVA/3 kVA/ 5kVA UPS	Nos	5	₹ 0.00	₹ 0.00	0.0000374
A.13.8, A.13.16, A.13.24	Lead Acid Plante Battery: (1285AH-360V)/(220AH-220V)- made up of two banks of 110 cells each	SET	6	₹ 0.00	₹ 0.00	0.0072650
K.1.2, K.1.4, K.1.7, K.1.9, K.5.2	BATTERY 180 AH/6 CELLS	SET	6	₹ 0.00	₹ 0.00	0.0003963
A.13.2, A.13.10, A.13.18	ACDB	Nos	8	₹ 0.00	₹ 0.00	0.0030068
A.13.25	Power Distribution Board	Nos	2	₹ 0.00	₹ 0.00	0.0001543
IV	ERECTION AND COMMISSIONING OF CONTROL PANELS					
B.2.1, B.2.2	ASLD Panel Assy along with loose supplied items such as sensors, amplifiers, PSU, JB, Cables,etc	SET	2	₹ 0.00	₹ 0.00	0.0008288
D.2.1, D.2.2, D.2.3, D.2.4, D.2.5, D.2.6	ALCS Panels with controllers, Electronic Sensors, Interfacing box & Cables, etc.	SET	2	₹ 0.00	₹ 0.00	0.0009626
A.9.13	Coal bunker Level Monitoring System panel with accessories	SET	16	₹ 0.00	₹ 0.00	0.0025555
B.3.1	Furnace Camera CCTV head assembly panel with air filter regulators, hose, remote control box, 24" monitor and accessories	SET	4	₹ 0.00	₹ 0.00	0.0006545
G.1.1	Moisture Measurement System panel with controller and accessories	SET	4	₹ 0.00	₹ 0.00	0.0005140
G.1.2	Generator end Vibration Monitoring Cabinet with cables, monitors and accessories	SET	2	₹ 0.00	₹ 0.00	0.0002658
G.1.3	Grounding Brush Monitor (Wall mounted)	SET	2	₹ 0.00	₹ 0.00	0.0001240
G.1.4	H2 Gas Analyzer Cabinet	SET	4	₹ 0.00	₹ 0.00	0.0004344
A.8.1	HART Management System panel and loose items	SET	2	₹ 0.00	₹ 0.00	0.0012821
A.20.1, A.20.2, A.20.4, A.20.5	Master Slave Clock System Panel with accessories, 42 U Panel, GPS Antennal, GPS Receiver	SET	1	₹ 0.00	₹ 0.00	0.0000921
A.20.3	Slave Clock (RS 485 based)/NTP Based	Nos	25	₹ 0.00	₹ 0.00	0.0007376

Volume-II Price Bid (Revised Weightage)						
B.5.1	Gravimetric Feeder Remote Power Cabinet	Nos	16	₹ 0.00	₹ 0.00	0.0022147
A.13.7, A.13.15, A.13.23	Battery Health Monitoring System Panels	Nos	8	₹ 0.00	₹ 0.00	0.0008071
A.7.2, E.5.1	TSI System for BFP Drive Turbine / Main Turbine Complete Sensors and Assembly Items	Nos	6	₹ 0.00	₹ 0.00	0.0024143
A.12.1.3, A.12.2.3, A.12.3.3	VMS Panels - Single Bay	Nos	7	₹ 0.00	₹ 0.00	0.0007840
A.12.1.4	VMS Panels - Three Bay	Nos	2	₹ 0.00	₹ 0.00	0.0005651
B.1.10	19" Racks for Microprocessor based flame scanner Amplifier	SET	16	₹ 0.00	₹ 0.00	0.0000000
A.7.1, A.12.1.2, A.12.2.2, A.12.3.2, F.1.2	19 Inch Racks for TSI/VMS Racks	SET	29	₹ 0.00	₹ 0.00	0.0086473
B.10.2	Pulveriser Dynamic Classifier - VFD Panel	Nos	16	₹ 0.00	₹ 0.00	0.0026889
A.6.0.2.1, A.6.0.2.2, A.6.0.2.3	Network Panels	Nos	9	₹ 0.00	₹ 0.00	0.0005448
A.6.0.2.4	Network Enclosures with without Ethernet Switches	Nos	18	₹ 0.00	₹ 0.00	0.0007573
IV-A	ERECTION AND PLACEMENT OF DCS/NETWORK PANEL					
A.2.1, A.3.1, A.3.2, A.4.1, A.6.1, A.6.4	Suit of One Cubicles	Nos	22	₹ 0.00	₹ 0.00	0.0008651
A.1.1, A.1.2, A.1.3, A.2.2, A.3.3, A.3.4, A.4.2, A.6.2	Suit of Two Cubicles	Nos	25	₹ 0.00	₹ 0.00	0.0014420
A.1.4, A.1.5, A.2.3, A.3.5, A.3.6, A.3.7, A.4.3, A.5.1, A.5.2, A.6.3	Suit of Three Cubicles	Nos	34	₹ 0.00	₹ 0.00	0.0032529
A.1.6, A.2.4, A.3.8, A.3.9	Suit of Four Cubicles	Nos	39	₹ 0.00	₹ 0.00	0.0040431
A.1.7	Suit of Five Cubicles	Nos	4	₹ 0.00	₹ 0.00	0.0005428
IV-B	TESTING & COMMISSIONING OF DCS/NETWORK PANELS					
A.2.1.1, A.3.1.1, A.3.2.1, A.4.1.1, A.6.1.1, A.6.4.1	Suit of One Cubicles	Nos	22	₹ 0.00	₹ 0.00	0.0012979
A.1.1.1, A.1.2.1, A.1.3.1, A.2.2.1, A.3.3.1, A.3.4.1, A.4.2.1, A.6.2.1	Suit of Two Cubicles	Nos	25	₹ 0.00	₹ 0.00	0.0021628
A.1.4.1, A.1.5.1, A.2.3.1, A.3.5.1, A.3.6.1, A.3.7.1, A.4.3.1, A.5.1.1, A.5.2.1, A.6.3.1	Suit of Three Cubicles	Nos	34	₹ 0.00	₹ 0.00	0.0048791
A.1.6.1, A.2.4.1, A.3.8.1, A.3.9.1	Suit of Four Cubicles	Nos	39	₹ 0.00	₹ 0.00	0.0060647
A.1.7.1	Suit of Five Cubicles	Nos	4	₹ 0.00	₹ 0.00	0.0008142
	INSTALLATION AND COMMISSIONING OF HMI SYSTEM, STATION LAN, OFFICE WAN WITH COMPLETE ACCESSORIES FOR CCR&BOP					
A.12.1.6, A.22.1.4, A.22.1.5, A.22.2.3, A.22.3.3, A.22.4.3, A.22.7.3, A.22.8.3, K.6.20, K.8.2, K.8.6, K.9.2	Printers (Laser Jet/Dotmatrix A4/A3/COLOUR/BW)	Nos	28	₹ 0.00	₹ 0.00	0.0007663
A.21.1, A.21.2, A.21.3, A.21.4	Large Video Screen (67-80") with accessories	SET	26	₹ 0.00	₹ 0.00	0.0156657
K.9.12	Video Wall of size 4200 (W)x1600(H) with accessories	SET	2	₹ 0.00	₹ 0.00	0.0014461
A.12.1.5, A.22.1.1, A.22.1.2, A.22.1.3, A.22.2.1, A.22.2.2, A.22.3.1, A.22.3.2, A.22.4.1, A.22.4.2, A.22.5.1, A.22.5.2, A.22.6.1, A.22.6.2, A.22.7.1, A.22.7.2, A.22.8.1, A.22.8.2, K.6.19, K.8.1, K.8.5, K.8.9, K.9.1	OWS with Monitor/Servers/Stations/User PC	Nos	99	₹ 0.00	₹ 0.00	0.0043326
V	INSTALLATION OF FURNITURES					
A.25.1, A.25.2	Unit Operator Desk-8 Section with Accessories	SET	4	₹ 0.00	₹ 0.00	0.0032532
A.25.3	Operator Desk-6 Section with Accessories	SET	1	₹ 0.00	₹ 0.00	0.0006662
A.25.4	Operator Desk-3 Section with Accessories	SET	1	₹ 0.00	₹ 0.00	0.0003927
A.25.5	Operator Desk-2 Section with Accessories	SET	7	₹ 0.00	₹ 0.00	0.0018209

Volume-II Price Bid (Revised Weightage)						
A.23.1, A.23.2, A.23.3, A.25.6, A.25.7, A.25.8, A.25.9, A.25.10, A.25.12, A.25.13, A.25.14, A.25.15, A.25.16, A.25.17, A.25.18, K.6.21, K.6.22, K.8.3, K.8.4, K.8.7, K.8.8, K.8.10, K.8.11, K.9.3, K.9.4	Computer Table/Printer Table/Chairs	SET	600	₹ 0.00	₹ 0.00	0.0313968
A.25.11	PC/Server Rack	SET	4	₹ 0.00	₹ 0.00	0.0003940
A.25.19, A.25.20	Almirah/Safety Locker	SET	4	₹ 0.00	₹ 0.00	0.0001232
VI	INSTALLATION OF C&I BENCH FOR CALIBRATION INSTRUMENTS					
A.24.1.1, A.24.2.1	Electronic Test Bench	SET	1	₹ 0.00	₹ 0.00	0.0040709
K.6.24, K.6.26	Inspection and Handling over-Laptops/Graphic Software licences		5	₹ 0.00	₹ 0.00	0.0002753
VII	ERECTION AND COMMISSIONING OF JB/PUSH BUTTONS					
A.12.1.1, A.12.2.1, A.12.3.1, A.17.1, A.17.2, A.17.3, A.17.4, A.17.5, A.17.6, A.17.7, A.17.8, A.20.13, B.9.1, B.9.2, B.9.3, B.9.4, B.9.5, B.9.6, B.10.3, B.14.3.1, B.14.3.2, B.14.3.3, B.14.3.4, B.14.3.5, E.6.7, F.1.8, F.1.9, G.10.1, G.10.2, E.3.3	Junction Boxes 6 way to 128 way	Nos	1434	₹ 0.00	₹ 0.00	0.0163537
B.14.4.1, B.14.4.2, G.10.3	Push Button Station	Nos	54	₹ 0.00	₹ 0.00	0.0003656
VIII	ERECTION AND COMMISSIONING OF LIE/LIR					
E.6.1, E.6.2, E.6.3, E.6.4	Local Gauge Boards	SET	20	₹ 0.00	₹ 0.00	0.0014376
A.14.1, A.14.2, A.14.3, B.10.1, B.14.6.1	Local Instrument Enclosure	SET	208	₹ 0.00	₹ 0.00	0.0149444
A.14.4, A.14.5, A.14.6, A.14.7, E.6.5, E.6.6, G.8.1, G.8.2	Local Instrument Rack	SET	222	₹ 0.00	₹ 0.00	0.0147657
IX	ERECTION AND COMMISSIONING OF PNEUMATIC POWER CYLINDERS (ON/OFF & REGULATING TYPE)					
B.4.1	SADC	SET	264	₹ 0.00	₹ 0.00	0.0119048
B.4.2, B.4.3	PA/ID/FD Blade Pitch & other Control Dampers	SET	44	₹ 0.00	₹ 0.00	0.0037295
B.4.4, B.4.5, F.1.14	Hot Air/Cold Air/FD Fan Regulating Dampers	SET	34	₹ 0.00	₹ 0.00	0.0035014
B.4.6	Dynavane Filter Pressure Control Damper with SMART positioner	SET	2	₹ 0.00	₹ 0.00	0.0001861
E.3.4	Solenoid Operated Valves	SET	16	₹ 0.00	₹ 0.00	0.0000942
E.2.3, K.3.3, K.4.3, K.5.3	Solenoid Valves	Nos	331	₹ 0.00	₹ 0.00	0.0019443
X	LAYING OF POWER CABLES					
A.13.3, A.13.4	UN 0000 - Uninyvin- Equivalent: 1Cx109 Sqmm Cu	Mtrs	3600	₹ 0.00	₹ 0.00	0.0020985
A.13.11, A.13.12, A.13.19, A.13.20	UN 4 - Uninyvin- Equivalent: 1Cx21.5 Sqmm Cu	Mtrs	440	₹ 0.00	₹ 0.00	0.0001381
K.1.14, K.5.10	1CX90 SQMM CU	Mtrs	115	₹ 0.00	₹ 0.00	0.0000670
XI	TERMINATION OF POWER CABLES					
A.26.1, A.26.2	UN 0000 - 1CX109 SQMM CU	Nos	80	₹ 0.00	₹ 0.00	0.0001399
A.26.3, A.26.4, A.26.5, A.26.6	UN 4 - 1CX21.5 SQMM CU	Nos	12	₹ 0.00	₹ 0.00	0.0000117
K.1.15, K.5.11	1CX90 SQMM CU		24	₹ 0.00	₹ 0.00	0.0000420
XII	LAYING AND TERMINATION OF CONTROL CABLES					
K.1.17, K.3.5, K.4.5, K.11.14	2CX1.5 SQMM/2CX2.5 SQMM		11322	₹ 0.00	₹ 0.00	0.0015230
A.15.4.1, A.20.7, B.7.11, B.7.21, B.14.2.7, G.4.1, K.6.27, K.6.28, K.1.13	3CX2.5 SQMM/4CX2.5 SQMM/4CX6 SQMM	Mtrs	236010	₹ 0.00	₹ 0.00	0.0317479
A.15.4.2, B.7.12, B.7.13, B.7.22, B.14.2.8	5CX2.5 SQMM/7CX2.5 SQMM	Mtrs	29860	₹ 0.00	₹ 0.00	0.0044630
B.7.14, B.7.15, B.14.2.9, B.14.2.10, K.1.12, K.5.12	9CX2.5 SQMM/10CX2.5 SQMM/12CX2.5 SQMM	Mtrs	17905	₹ 0.00	₹ 0.00	0.0032114
XIII	LAYING AND TERMINATION OF INDIVIDUAL & OVERALL SHIELDED (TYPE G/F), TWISTED PAIR, ARMoured/UNARMoured CABLES					
A.15.1.1, A.15.1.3, A.15.2.1, A.15.3.1, A.15.3.6, A.20.8, B.7.1, B.7.2, B.7.6, B.7.7, B.7.17, B.7.23, B.7.24, B.14.2.4, B.14.2.11, G.16.1.1, G.16.1.5, J.3.1	2PX0.5 SQMM/ 2TX0.5SQMM/ 2PX1.5SQMM/ 2PX1.31SQMM/ 2PX16AWG KX/G CABLE	Mtrs	318854	₹ 0.00	₹ 0.00	0.0381262

Volume-II Price Bid (Revised Weightage)						
A.15.1.2, A.15.2.2, A.15.3.2, A.15.3.3, A.15.5.1, A.15.5.2, B.7.3, B.7.8, B.7.18, B.7.20, B.14.2.1, B.14.2.5, B.14.2.12, E.8.1, G.16.1.2, G.16.1.6, G.16.2.1, J.2.1, J.3.2	4PX0.5 SQMM/ 6PX0.5SQMM F/G CABLE	Mtrs	528172	₹ 0.00	₹ 0.00	0.0789436
A.15.2.3, A.15.3.4, A.15.5.3, B.7.4, B.7.9, B.7.19, B.14.2.2, B.14.2.6, G.16.1.3, G.16.2.2, J.2.2, J.3.3	8PX0.5 SQMM CABLE	Mtrs	505735	₹ 0.00	₹ 0.00	0.0982670
A.15.3.5, B.7.5, B.7.10, B.7.16, B.14.2.3, G.16.1.4, J.2.3, J.3.4	12PX0.5 SQMM/ 12PX1.31 SQMM KX CABLE	Mtrs	99740	₹ 0.00	₹ 0.00	0.0223616
J.2.4	20PX0.5SQMM	Mtrs	19200	₹ 0.00	₹ 0.00	0.0043046
A.12.1.7, A.12.2.5, A.12.3.5, A.15.5.4, A.20.9	CAT-6 UTP CABLES/Ethernet Cables	Mtrs	30880	₹ 0.00	₹ 0.00	0.0023077
A.13.5, A.13.6, A.13.13, A.13.14, A.13.21, A.13.22, A.20.6	RS-485/RG-58 CABLE	Mtrs	22840	₹ 0.00	₹ 0.00	0.0051207
A.15.5.6, K.9.7, K.9.10	HDPE Conduits for laying OFC Cables	Mtrs	22800	₹ 0.00	₹ 0.00	0.0197653
A.12.2.4, A.12.3.4, A.15.5.5, A.20.10, K.6.29, K.9.6, K.9.9	Laying of Optical Fibre Cable	Mtrs	85500	₹ 0.00	₹ 0.00	0.0191690
A.15.5.7, A.20.11, K.6.30, K.9.8, K.9.11	Splicing of Optical Fibre Cable	Nos	710	₹ 0.00	₹ 0.00	0.0017192
K.6.11	Laying and Termination of Special Cable-OLHS Cables	Mtrs	75000	₹ 0.00	₹ 0.00	0.0168149
XIV	ERECTION OF CABLE TRAYS WITH/WITHOUT COVER					
A.16.1, A.16.3, B.8.1, B.14.5.1, E.8.2, F.1.10, K.6.33	PERFORATED CABLE TRAYS 50 MM WIDE	Mtrs	14260	₹ 0.00	₹ 0.00	0.0151328
A.16.2, A.16.4, B.8.2, B.14.5.2, K.6.32	PERFORATED CABLE TRAYS 100 MM WIDE	Mtrs	20000	₹ 0.00	₹ 0.00	0.0275017
B.8.3, E.8.3, F.1.11	PERFORATED CABLE TRAYS 150 MM WIDE	Mtrs	7690	₹ 0.00	₹ 0.00	0.0122985
K.6.31	PERFORATED CABLE TRAYS 200 MM WIDE	Mtrs	250	₹ 0.00	₹ 0.00	0.0003774
K.11.15	PERFORATED CABLE TRAYS 300 MM WIDE	Mtrs	75	₹ 0.00	₹ 0.00	0.0001323
A.28.2	Duct Tray - 60x60x1000 mm	Mtrs	216	₹ 0.00	₹ 0.00	0.0002873
A.28.3	Duct Tray - 180x100x1000 mm	Mtrs	146	₹ 0.00	₹ 0.00	0.0003513
A.28.4	Duct Tray - 250x100x1000 mm	Mtrs	180	₹ 0.00	₹ 0.00	0.0007937
XV	FABRICATION AND INSTALLATION OF GI FLATS					
B.14.8.1	Earth Flat (50x6)	Mtrs	250	₹ 0.00	₹ 0.00	0.0002093
B.14.8.2	Earth Wire 1.219 mm GI	Mtrs	700	₹ 0.00	₹ 0.00	0.0000732
XVI	FABRICATION AND INSTALLATION OF STRUCTURAL STEEL					
A.28.1, B.12.1, B.14.7.1, E.5.2, E.7.1, F.1.13, G.10.4	STRUCTURAL STEEL (ISMC/ISMB/ANGLE etc)	MT	39.2	₹ 0.00	₹ 0.00	0.0086907
A.28.5	Assembly and Installation of Mounting frames	Nos	20	₹ 0.00	₹ 0.00	0.0035872
XVII	ERECTION AND TESTING OF IMPULSE PIPES CS/AS/SS , INSTRUMENT VALVES AND FITTINGS					
A.11.3	AS pipes 2"	Mtrs	280	₹ 0.00	₹ 0.00	0.0011132
A.18.1, A.18.2, A.18.3, A.18.4, A.18.5, A.18.6, A.18.7, A.18.8, A.18.9, G.9.5, G.9.6, G.9.7, G.9.8, G.9.9, B.11.2.1, B.11.2.2, B.11.2.3, B.11.2.4, B.11.2.5, B.11.2.6, B.11.2.7	AS tubes upto 1"	Mtrs	55590	₹ 0.00	₹ 0.00	0.1346025
E.7.2, G.9.1, G.9.3, G.9.4	CS tubes upto 1"	Mtrs	4740	₹ 0.00	₹ 0.00	0.0094226
G.9.2	CS pipes above >2" upto 4"	Mtrs	160	₹ 0.00	₹ 0.00	0.0010498
A.11.5, B.11.1.4, B.11.1.5, B.11.1.6, B.11.1.7, B.14.9, E.7.3, E.7.4, F.1.12	SS tubes upto 1"	Mtrs	12990	₹ 0.00	₹ 0.00	0.0083487
A.11.4	SS pipes 2"	Mtrs	120	₹ 0.00	₹ 0.00	0.0001542
A.19.1, A.19.2, A.19.3	Instrument Valves and Accessories	Nos	46	₹ 0.00	₹ 0.00	0.0001114
XVIII	ERECTION AND TESTING OF HOSES, TUBES & GI PIPES					
A.20.12	Flexible GI Conduits	Mtrs	200	₹ 0.00	₹ 0.00	0.0001764
B.11.1.8, B.11.1.9, B.11.1.10	1/4, 1/2, 1 INCH TEFLON HOSE 1MTR/2MTR/3MTR LONG	Nos	316	₹ 0.00	₹ 0.00	0.0003731
B.12.2	1/2" GI Pipe	Mtrs	2430	₹ 0.00	₹ 0.00	0.0030146

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XIX	COMMISSIONING OF THE FOLLOWING ERECTED BY MECHANICAL AGENCY					
B.13.9	Burner Tilt Shear Pin Failure Indication JB with accessories	Nos	32	₹ 0.00	₹ 0.00	0.0016936
B.14.10.4, C.2.1, E.9.5, F.2.1, F.2.2, F.2.3, G.12.4, G.12.8, G.12.9, J.4.1, E.9.11, E.9.12	Control Valves with Smart positioner/AFR/Air Lock valves etc for LO TCV, Gland Steam Inlet/Sootblower, Dump,etc applications	SET	353	₹ 0.00	₹ 0.00	0.0035456
H.1.4, H.1.5, H.1.6	HT Drives (11 kV/3.3 kV)	Nos	75	₹ 0.00	₹ 0.00	0.0019303
D.4.5	Field Instruments (Level Gauges/Pressure/DP/Temperature Gauges)	Nos	48	₹ 0.00	₹ 0.00	0.0003888
B.13.1, B.13.7, G.12.6	Limit Switches/Level Switches	Nos	304	₹ 0.00	₹ 0.00	0.0011359
B.13.3, B.13.4, B.13.5, B.14.10.1, B.14.10.2, B.14.10.3, C.2.2, C.2.3, D.4.1, E.9.2, E.9.4, E.9.6, E.9.7, E.9.8, F.2.4, F.2.5, F.2.6, G.12.2, H.1.3, J.4.2K.1.1, K.1.3, K.1.5, K.1.6, K.1.8, K.1.10, K.5.1, G.12.19	LT Unit Directional/Bi-Directional drives of various applications	Nos	879	₹ 0.00	₹ 0.00	0.0071865
B.13.2	Motor Starter Panels	SET	2	₹ 0.00	₹ 0.00	0.0000320
B.13.6, D.4.2	Pneumatic Actuators for Dampers	Nos	88	₹ 0.00	₹ 0.00	0.0066278
D.4.6, H.1.1	RTDs/Thermowells of various drives	Nos	1786	₹ 0.00	₹ 0.00	0.0056592
B.13.8, D.4.3, G.12.7	Solenoid Valves for different applications like Corner Station valves, Regulating valves, etc.	Nos	552	₹ 0.00	₹ 0.00	0.0049503
XX	REMOVAL, CALIBRATION & RE-FIXING OF INSTRUMENTS ERECTED BY OTHER AGENCIES					
G.12.5	Field Instruments (Transmitters)	Nos	38	₹ 0.00	₹ 0.00	0.0003436
H.1.2	Field Instruments (Temperature Gauges)	Nos	92	₹ 0.00	₹ 0.00	0.0006545
G.3.1, G.7.3	Field Instruments (Temperature Elements)	Nos	294	₹ 0.00	₹ 0.00	0.0010942
D.4.4, D.4.7, D.4.8, D.4.9, E.9.1, E.9.3, G.12.11	Lub Oil System/Oil Centrifuge Unit/Lub Oil skid/Main Oil Tank	SET	42	₹ 0.00	₹ 0.00	0.0019693
G.12.3	Oil Centrifuge Unit	SET	4	₹ 0.00	₹ 0.00	0.0003184
J.4.3, J.4.4, J.4.5, J.4.6	Dosing Skid (Oxygen, Ammonia, NaOH,Hydrazine)	SET	10	₹ 0.00	₹ 0.00	0.0005112
E.9.9	Hydraulic Coupling of MDBFP	SET	2	₹ 0.00	₹ 0.00	0.0002810
G.12.1	Condenser Vacuum Pump	SET	4	₹ 0.00	₹ 0.00	0.0003273
B.13.10	Gravimetric Feeder comprising of Feeder mounted C&I equipment	SET	16	₹ 0.00	₹ 0.00	0.0011362
G.12.10	Governing System Control Rack	SET	4	₹ 0.00	₹ 0.00	0.0005392
E.9.10	Governor Console Board	SET	4	₹ 0.00	₹ 0.00	0.0004147
B.10.4, B.10.5, G.12.12	HP/LP Bypass/HWL-1&2/MEFCV control valve skid instrumentation	SET	6	₹ 0.00	₹ 0.00	0.0006034
G.12.14, G.12.15	Seal Oil Rack / Stator water rack	SET	4	₹ 0.00	₹ 0.00	0.0004511
G.12.16, G.12.17	Seal Oil Level / PrTxx Instrument Rack / Stator Water DP Instrument Rack	SET	4	₹ 0.00	₹ 0.00	0.0004782
G.12.18	H2 Dryer Unit	SET	2	₹ 0.00	₹ 0.00	0.0001528
A.27.1	Transducers-Voltage/Current/Frequency output 4-20 mA	Nos	50	₹ 0.00	₹ 0.00	0.0006315
XXI	REMOVAL, CALIBRATION & RE-FIXING OF INSTRUMENTS FOR ACID CLEANING					
J.5.1	Temp. Gauges	Nos	4	₹ 0.00	₹ 0.00	0.0000285
J.5.2	Pressuer Gauges	Nos	4	₹ 0.00	₹ 0.00	0.0000292
J.5.3	Thermocouple Stem type and MTM	Nos	16	₹ 0.00	₹ 0.00	0.0000330
J.5.4	Junction Boxes	Nos	6	₹ 0.00	₹ 0.00	0.0000694
XXII	ERECTION AND COMMISSIONING OF FDA/FPS/IGES - SENSORS/SWITCHES/DEVICES					
K.6.3	Multisensor Detectors	Nos	2550	₹ 0.00	₹ 0.00	0.0018295
K.6.4, K.6.6, K.6.8, K.3.6, K.4.6	Air Sampling/Probe/IR (Air Burge)/QB Detectors	Nos	11589	₹ 0.00	₹ 0.00	0.0168019
K.6.7, K.6.9	Beam Detectors/IR (Flame) Detectors	Nos	24	₹ 0.00	₹ 0.00	0.0001740
K.11.7, K.11.9, K.11.10	Special Switches-Abort/Pneumatic/Manual	Nos	45	₹ 0.00	₹ 0.00	0.0001305
K.11.2, K.11.3, K.11.4, K.11.5, K.11.6	Sensitive Device-Release Device/Disable device	Nos	118	₹ 0.00	₹ 0.00	0.0004268

Volume-II Price Bid (Revised Weightage)

XXIII	ERECTION AND COMMISSIONING OF FDA/FPS/IGES - LOCAL CONTROL PANELS					
K.1.11	Diesel Engine cum Battery Panel	SET	5	₹ 0.00	₹ 0.00	0.0001449
K.1.16	Switch Box cum Battery Panel	SET	5	₹ 0.00	₹ 0.00	0.0001449
K.3.4, K.4.4, K.5.4	Deluge Valve Control Panels	Nos	319	₹ 0.00	₹ 0.00	0.0046249
K.7.1	PLC Panel	SET	1	₹ 0.00	₹ 0.00	0.0001196
K.9.5	Remote IO Panel	SET	2	₹ 0.00	₹ 0.00	0.0002391
K.6.1, K.6.2, K.11.13	Fire Alarm/Repeater/Gas Release Panels	SET	17	₹ 0.00	₹ 0.00	0.0012321
XXIV	ERECTION AND COMMISSIONING OF FDA/FPS/IGES - SPECIAL EQUIPMENTS					
K.6.18	Erection and Commissioning of Siren and its Control Panel	SET	1	₹ 0.00	₹ 0.00	0.0001449
K.6.14	Hooter Strobes	Nos	250	₹ 0.00	₹ 0.00	0.0009043
K.6.12, K.6.13, K.6.15	Modules/Controllers	Nos	1232	₹ 0.00	₹ 0.00	0.0178617
XXV	ERECTION AND COMMISSIONING OF FDA/FPS/IGES - MISCELLANEOUS EQUIPMENTS					
K.6.10	Manual Call points	Nos	425	₹ 0.00	₹ 0.00	0.0061617
K.6.17	EXIT/WARNING Signs	Nos	250	₹ 0.00	₹ 0.00	0.0003625
K.6.23, K.6.25	Establishing Network Connectivity (OPC/MODBUS)	Nos	2	₹ 0.00	₹ 0.00	0.0000290
						1.000000
Total Price (In Rs.)						
Total Price (In Words)						

Note:

(1) The above Quoted Price shall be excluding of GST, as applicable. The same shall be paid at actual.

(2) Bidders to quote their most competitive price in Blue Colour Cell.

(3) Kindly submit this price bid with signature and sealed of authorized signatory preferably in pdf format.

(4) Bidders shall quote only Total Price, individual values shall be calculated as per the weightage allotted.(Bidders to note that evaluation shall be done on Overall/ Lumpsum L1 basis.)