



मेकॉन लिमिटेड (भारत सरकार का संस्थान)

MECON LIMITED (A GOVT. OF INDIA ENTERPRISES)



13वां एवं 15वां तल, नार्थ टॉवर, स्कोप मीनार, लक्ष्मी नगर व्यवसायिक केन्द्र, दिल्ली-110092, (भारत)

13th & 15th Floor, North Tower, Scope Minar, Laxmi Nagar District Center, Delhi-110092, (India)

फोन / Phone : +91-11-22447417, CIN : U74140JH1973GOI001199

GSTIN : 07AACCM2119B1Z4 वेबसाइट / Website : <http://meconlimited.co.in>

स्वीकृति का फैक्स / FAX OF ACCEPTANCE (FOA)

FOA NO. 05/51/Q7NT/GAIL/001-IV-10/FOA-997

DATE: 14.12.2023

TO : M/S KULDEEP KUMAR CONTRACTOR
PHONE : +91- 9813011555, 0184-2221452
EMAIL : kkcknl@gmail.com
ATTN : MR. PANKAJ KUMAR, PARTNER
FROM : SR. GM (CONTRACTS), MECON LIMITED, DELHI

PLEASE REFER TO YOUR OFFER NO. NIL DATED NIL (NIC BID ID: 625456) AND ALL OTHER SUBSEQUENT CORRESPONDENCE AGAINST BIDDING DOCUMENT NO. 05/51/Q7NT/GAIL/001-IV-10 DATED 07.10.2023 (TENDER ID.: 2023_GAIL_169696) & COMM. CORR.#1 DATED 26.10.2023 FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC) UNDER CGD PROJECT AT SIX GAS FOR CGD PROJECT AT SIX GAS FOR GAIL (INDIA) LIMITED. (.)

WE HEREBY ISSUE THIS FAX OF ACCEPTANCE (FOA) FOR AWARD FOR **COMPLETE SCOPE OF WORK** OF TENDER AT AN ESTIMATED CONTRACT VALUE OF **RS. 5,45,79,726/-** (INDIAN RUPEES FIVE CRORE FORTY-FIVE LAKHS SEVENTY-NINE THOUSAND SEVEN HUNDRED TWENTY-SIX ONLY) EXCL. GST. GST SHALL BE PAYABLE EXTRA AS PER TENDER PROVISIONS. (**PRESENT RATE OF GST@18%**).

THE DETAILED BREAKUP OF ABOVE ORDER VALUE IS ENCLOSED AS **ANNEX-1(.)**

THE COMPLETION PERIOD SHALL BE AS PER TENDER DOCUMENT(.)

PLEASE SUBMIT CONTRACT PERFORMANCE BANK GUARANTEE @ 10% OF ANNUALISED ORDER /CONTRACT VALUE [EXCLUDING GST] WITHIN 30 DAYS OF FOA/NOTIFICATION OF AWARD AS PER CL. NO. 38 OF ITB OR AS PER BDS (ANNEXURE-IV TO SECTION-III OF VOL I OF II) AND CONTRACT AGREEMENT AS PER CL. NO.37 OF ITB OF TENDER DOCUMENT (.)

YOU ARE REQUESTED TO CONTACT PROJECT COORDINATOR (MR. PRATEEK MAHESHWARI, MANAGER (CGD), MECON LIMITED, EMAIL ID: pmaheshwari@mecon.co.in) FOR FURTHER INSTRUCTIONS (.)

ALL OTHER TERMS AND CONDITIONS SHALL BE AS PER BIDDING DOCUMENT & CORRIGENDUM THERE OF AS STATED ABOVE AND AS AGREED TILL DATE (.)

A DETAILED ORDER SHALL FOLLOW (.)

FOR & ON BEHALF OF GAIL (INDIA) LIMITED
(BY ITS CONSTITUTED ATTORNEY)

**RAKESH
SHARMA**

Digitally signed by RAKESH SHARMA
DN: cn=IN, st=Delhi,
2.5.4.20=03460d2dce884e86060058de2131ce9713d4d880463443112
3c0ca5f425292c, postalCode=110092, street=15TH FLOOR NORK
TOWER SCOPE MINOR LAXMI NAGAR,
pseudonym=73f58b5fb696c6ceff1f34342d9a2d3,
serialNumber=b50c688304a18f8153f10d01d7e07a250289980bbf67a
e45a3c1c3e98542075, ou=MANAGEMENT, o=MECON LIMITED,
cn=RAKESH SHARMA
Date: 2023.12.14 17:14:20 +05'30'

राकेश शर्मा / RAKESH SHARMA

वरि. महाप्रबंधक (अनुबंध) / SR. GM (CONTRACTS)

मेकॉन लिमिटेड, दिल्ली / MECON LIMITED, DELHI

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RAKESH SHARMA

Digitally signed by RAKESH SHARMA
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2.5.4.20=34602ad6c08a0906506a3113e7f156d4,
8054034431173dc594252090, postalCode=110092,
street=15TH FLOOR NRI TOWER SOCIETY MINOR LANE-1
NAGAR,
serialNumber=73F0B0790C6C6E01F1A342692d3,
serialNumber=450c4883304A1981153F16D01A7E0250
2099909b617ae45a3c1ce848E42075,
ou=MANAGEMENT, o=MECON LIMITED, cn=RAKESH
SHARMA
Date: 2023.12.14 17:14:30 +05'30'

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
40	Male Connector					
41	Size ¼" NPT (M) x 3/8" OD, SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	8	Nos.	427	3,416	
42	Size 1/2" NPT (M) x 3/8" OD, SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	25	Nos.	579	14,475	
43	Cross					
44	3/4" OD X 3/4" X 3/4" OD X3/4" OD Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	8	Nos.	4,762	38,096	
45	SS Ball Valves, conforming to MECON's Technical Specification No. MEC/TS/05/62/048 for SS Ball Valves of following sizes, specifications as indicated below :					
46	2-Way Trunnion Full Bore Ball Valve ¼"	8	Nos.	13,967	111,736	
47	2-Way Floating Full Bore Ball Valve ¼"	382	Nos.	17,000	6,494,000	
48	2-Way Trunnion Full Bore Ball Valve ½"	8	Nos.	13,411	107,288	
49	2-Way Floating Full Bore Ball Valve ½"	119	Nos.	16,000	1,904,000	
50	3-Way Trunnion Mounted, Reducer Bore Ball Valve ½" OD end Connection and ¼" NPT (F) bottom end connection	8	Nos.	23,484	187,872	
51	Conductive Core Thermoplastic Hose					
52	3/8" ID Conductive Core Thermoplastic Hose for CNG Service with break away coupling	8	Nos.	77,250	618,000	
53	Supply of SS 304 Tubes along with isolation valves, reducers & fittings etc.as per Technical Specification, Typical schematic drg. for Ins. air line of CNG station and scope of work including handling, storage, lifting, transportation upto CNG stations. (Note:Total no.of ferrule fittings may be considered as one jointing ferrule at every 5.0 m)					
54	½"OD X 0.083" min Wall thk. SS Tube (Refer TS Section III - A)	42	RM	386	16,212	
55	Laying, testing and commissioning of SS 304 Tubes along with isolation valves, reducers & fittings etc.as per Technical Specification, Typical schematic drg. for Ins. air line of CNG station and scope of work including handling, storage, lifting, transportation upto CNG stations. (Note:Total no.of ferrule fittings may be considered as one jointing ferrule at every 5.0 m)					
56	½"OD X 0.083" min Wall thk. SS Tube (Refer TS Section III - A)	42	RM	313	13,146	
57	SECTION-B : ERECTION OF MECH. EQUIPMENT					
58	Handling (including lifting and transportation from Client's store within city to CNG stations) and erecting in position, the following equipment either on the foundation at Ground level or on roof at 3.5 m above ground level. Contractor's scope shall include supply of all material and accessories including but not limited to any fixtures, clamps, gasket, nut bolts, etc. :					
59	Cascade 4500/3000/2200 L water capacity. Erection at + 4.0 M level (Refer TS Section III - B)	25	Nos.	15,000	375,000	
60	Cascade 4500/3000/2200 L water capacity. Erection at + Ground level (Refer TS Section III - B)	8	Nos.	15,000	120,000	
61	Dispenser Erection at + Ground Level	38	Nos.	10,000	380,000	
62	Note: The quantities given above against individual items are indicative and shall not be considered to be binding. The quantities may increase or decrease at site at the time of actual execution and as per the discretion of Owner/ Engineer-in-charge. The unit rate shall be operated to work out the final payment due to Contractor.					
63	SECTION-C : SUPPLY, ERECTION & COMMISSIONING OF MISCELLANEOUS ITEM					
64	Supply, erection & commissioning of following miscellaneous items as per technical specification and at locations (within the stations) as directed by EIC					
65	Air compressor pump (Refer TS Section III - C) (Tyre Inflator)	1	No.	100,000	100,000	
66	Water cooler (Refer TS Section III - C)	1	No.	50,000	50,000	
67	Fire fighting Equipments (Refer TS Section III - C)					
68	DCP -9 Kg	89	Nos.	4,481	398,809	
69	DCP -75 Kg	25	Nos.	30,000	750,000	
70	CO2 – 4.5 Kg	25	Nos.	7,416	185,400	

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
71	Sand Bucket (4 Nos. on each strand)	25	Nos.	4,635	115,875	
73	STRUCTURAL WORKS					
74	Pipe Supports & Other Structures					
75	Supply, fabrication and erection of all types of pipe supports like clamps, saddle, guide stops, cradles, turn buckles, anchors, T-posts; stockade/ trestle and pipe bridge for overhead piping; frames for canopy, approach ladders and platforms, crossover, cable tray supports, etc. including painting suitable for highly corrosive area as per specification labour and supervision & complete work as per drawings, specifications and instruction of Engineer-in-charge. (Bolts, nuts, washers, U-clamps etc. for supporting shall be supplied by the Contractor within the rates quoted. These items will not be measured and paid seperately). The work is to be completed in all respect as per scope of work and specification.	6	M.Ton.	120,000	720,000	
76	Notes: 1)The quantities indicated above are tentative and may vary as per the site requirements. Final payment will be made based on executed quantities certified by the Owner/Owner's representative. 2)The quoted rates shall be inclusive of the cost of MS bolts (permanent and service), washers, electrodes, putty, gases, cost of straightening the raw materials, cutting of flats from plates and providing splices, paints, tools, plants etc., as required to complete the work. 3)All handling and transport charges of raw materials and fabricated structures including double handling, as required, for completion of work in accrodance with time schedule, are deemed be included in the quoted rates.					
77	PRESSURE GAUGES					
78	Supply, installation and calibration of pressure Gauges and their accessories inclusive of supply of necessary piping materials/tubings alongwith all necessary valves & fittings, fabrication and installation of impulse lines/manifolds as per D. S. No. MEC/23H7/05/E5/I/001/DS-PG.	25	Nos.	2,000	50,000	
79	TEMPERATURE GAUGES					
80	Supply, installation and calibration of Temperature Gauges and their accessories inclusive of supply of necessary piping materials/tubings alongwith all necessary valves & fittings, fabrication and installation of impulse lines/manifolds as per D. S. No. MEC/23H7/05/E5/I/001/DS-PG.	25	Nos.	2,000	50,000	
81	ELECTRICAL WORKS (SUPPLY)					
82	SUPPLY					
83	Design, engineering, manufacture, shop testing, supply including packing and forwarding, transportation, delivery at storage and from storage to site of power distribution board (PDB) :					
84	415 V, 36 KA single front type indoor PDB to receive input power consisting of bus bar chamber, cable alley,outgoing with Fuse complete with wiring, indication lamp, ammeter, voltmeter, MFM (Multi Function Meter) etc including all labour and materials with operating mechanism, all accessories, mandatory spares as per data sheet, auxiliaries with FLP LCS(Local Control switch) for tripping the main incomer of PDB etc complete in all respects as specified in technical specification, data sheet & SLD no. MEC/Q7NT/05/E9/E/1081A & as per standard Specification. Single incomer of 125 Amp (with Single phase preventer & VMR) 4P MCCB (with Micro processor and based O/C,S/C & E/F RELASE with LSIG & Shunt trip) . Outgoing with 01 no. 80 Amp TPN MCCB (with TM based O/C,S/C & E/F RELASE) for Booster Compressor. Outgoing with 01 no. 63 Amp TPN MCCB (with TM based O/C,S/C & E/F RELASE) for APFC panel. Outgoing with 02 nos. 32 Amp TPN MCCB (with TM based O/C & S/C RELASE) for UPS and Static Bypass. Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB with Timer(24Hrs) Auto/Mannual Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB without Timer	15	Nos.	270,000	4,050,000	

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
85	415 V, 36 KA single front type indoor PDB to receive input power consisting of bus bar chamber, cable alley, outgoing with Fuse complete with wiring, indication lamp, ammeter, voltmeter, MFM (Multi Function Meter) etc including all labour and materials with operating mechanism, all accessories, mandatory spares as per data sheet, auxiliaries with FLP LCS(Local Control switch) for tripping the main incomer of PDB etc complete in all respects as specified in technical specification, data sheet & SLD no. MEC/Q7NT/05/E9/E/1081B & as per standard Specification. Single incomer of 100 Amp (with Single phase preventer & VMR) 4P MCCB (with Micro processor and based O/C,S/C & E/F RELEASE with LSIG & Shunt trip) . Outgoing with 01 no. 63 Amp TPN MCCB (with TM based O/C,S/C & E/F RELEASE) for Gas Driven Compressor. Outgoing with 02 nos. 32 Amp TPN MCCB (with TM based O/C & S/C RELEASE) for UPS and Static Bypass. Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB with Timer(24Hrs) Auto/Mannual Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB without Timer	10	Nos.	270,000	2,700,000	
86	Floor mounted APFC Panel of 10KVAR capacitor bank in steps of 4x2.5 KVAR capacitors consisting of bus bar chamber, cable alley incoming (MCCB), outgoing feeder (MCBs) as specified in tender specification	15	Nos.	57,000	855,000	
87	Outdoor type dust & weather proof sheet steel (2 mm thick) enclosed MCCB of following rating for mounting on wall or pedestal. 150A, 415V, 4 Pole AC-23 duty and suitable for termination of 3.5 x 120/95/50 sq.mm A2XFY cable on incomer terminals and outgoing terminals with RYB Indication, Voltmeter & Ammeter etc.	15	Nos.	22,000	330,000	
88	Outdoor type dust & weather proof sheet steel (2 mm thick) enclosed MCCB of following rating for mounting on wall or pedestal. 125A, 415V, 4 Pole AC-23 duty and suitable for termination of 3.5 x 120/95/50 sq.mm A2XFY cable on incomer terminals and outgoing terminals with RYB Indication, Voltmeter & Ammeter etc.	10	Nos.	22,000	220,000	
89	Design, engineering, supply including packing and forwarding, transportation, delivery at storage, of the complete earthing and lightning protection system, earth electrodes/ pit, earth main ring, earthing of electrical equipments, instrument panels, field instruments, process equipments and pipes/ flanges including all associated civil work with all material (Like Bitumen coating) and labour as per specification and drawings approved by the company in with IS 3043.					
90	Earth Pits- GI PIPE Electrode with 6 mm thick chequered plate cover	125	Nos.	9,399	1,174,875	
91	Earth Pits- Copper plate Electrode with 6 mm thick chequered plate cover	25	Nos.	22,531	563,275	
92	GI Strip (50X6) mm	2500	Mtrs	258	645,000	
93	GI Strip (25X3) mm	5000	Mtrs	81	405,000	
94	Advance maintenance free earthing system with 3mtr earth electrode of low carbon steel with 250 micron copper coating with carbon based backfill compound as per IS 3043/IEEE-80.	1	Nos.	8,369	8,369	
95	Arrangement for Earthing of LCV with Flexible green Cu wire (25 sqmm of approx 30 Meter length) ,Clamp (including bolting arrangement) ,Flexible PVC, crocodile clamps(2 nos.each) and other item etc. including MS enclosure box with door of sheet thk (2.00mm) color etc.	25	Sets	5,000	125,000	
96	Design, engineering, supply including packing and forwarding, transportation, delivery at storage, of the 1.1kV grade XLPE insulated, PVC sheathed, FRLS power and control cables (conforming to IS:7098 and specification) including Cable glands & Lugs etc.of following sizes in trenches/ excavated under ground trench /trays, pulling through pipes and its proper sealing, cutting of paved area, roads etc.					
97	3.5x 120 mm2 A2XFY	10	Mtrs.	568	5,680	
98	3.5x 95 mm2 A2XFY	10	Mtrs.	451	4,510	
99	3.5x 50 mm2 A2XFY	5000	Mtrs.	240	1,200,000	

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
100	4x 25 mm2 A2XFY	500	Mtrs.	183	91,500	
101	4x10 mm2 2XWY	500	Mtrs.	131	65,500	
102	4x 6 mm2 2XWY	1250	Mtrs.	103	128,750	
103	4x 2.5 mm2 2XWY	20000	Mtrs.	150	3,000,000	
104	Supply including packing and forwarding, transportation, delivery at storage of lighting fixtures complete with mounting bracket, flame proof/non flame proof, control gear box as per the type of fixture, lamps etc. including civil work with pipe inserts for cables and connecting work, with all material and labour as per specifications, drawings and instruction of Engineer-in-charge. Work to be completed in all respects.					
105	Street lighting, integral flame proof well glass fixture (CMIFR approved for Zone-1/2 gas group IIA & IIB) with 72 W LED luminaire with flame proof control gear Model no. FLPW-1095 of Baliga make or equivalent)	150	Nos.	7,000	1,050,000	
106	Street lighting pole 6mtr high GI octagonal pole (Type BOP-6030 of Bajaj make or equivalent) complete with bracket, GI clamps for fixing flame proof control gear box as per standard drawing & specification.	150	Nos.	11,000	1,650,000	
107	UPS SYSTEM Design, supply, packing, forwarding, delivery by equipment supplier at site including commissioning spares as required of UPS systems as per specification, datasheet, block diagram of the following rating :					
108	3KVA, 230 V Single phase, 50 Hz, single industrial type, UPS system suitable for input Power supply voltage of 320V-460V-TPN with healthy single-Phase Selection, Output 230V +/-1%, AC with Bypass supply, Battery Bank, ACDB (Incomer 32A DP MCB & Outgoing 10 Nos. 6A to 10A DP MCB) and 2.0 hrs. Battery backup (VRLA, 12V) and battery capacity shall not be less than 13.0 KVAh (where KVAh = battery AH x 12 V x No. of Batteries). As per enclosed Specification, Block diagram & Data sheet and shall be complete in all respect. Including All interconnecting cables among UPS, Rectifier, battery stand, ACDB etc (30 mtr shall be considered between battery bank and UPS panel, 30 mtr cable shall be considered between ACDB and UPS panel.	25	Set	500,000	12,500,000	
109	Supply,Transportation at site of following sizes of HDPE Pipe in required length fixed on steel, concrete or similar structure, laid in trenches, digging, construct conduit ductbank and buried in concrete including cutting, bending and similar works, supply of clamps, small iron structures, spacers and installation of seats, plugs, bushings etc., civil works and its materials, including all labour and materials complete as per approved drawings and directions of Engineer-In-Charge.					
110	50 mm NB	8000	Mtrs	80	640,000	
111	100 mm NB	4000	Mtrs	140	560,000	
112	Supply of following Hot Dip Galvanized Ladder/Perforated Type cable trays (as per IS 2629) including bends, tee, crosses, horizontal and vertical splices along with cable tray cover (Wherever required for Asthetic look) etc. as required including supply of all G.I hardwares, all labour and material as required as per standard drawings, specification and direction of Engineer-in-charge					
113	Perforated type, made from 50mm height and 2.5 mm thick sheet steel & galvanized (86 microns) of following sizes.					
114	150mm wide	250	Mtrs	734	183,500	
115	300mm wide	250	Mtrs	1,172	293,000	
116	Erection Material					
117	Supply of MS base frame support for switch gear and bracket for misc. electrical equipment, cable tray support out of roled MS section, pipes, plates etc including welding, bolting, reveting, supply of necessary anchor bolts and grouting etc supply of paints applying one coat of anti rust primer two finish coats of approved synthetic enamel paints including bracking walls, floors etc for structure as required including supply of all GI hardware materials including all labour and materials complete as required and the direction of Engineer-in-charge.					

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
118	For RO/DBS	25	Lumpsum	10,000	250,000	
119	Supply of the following including the supply of necessary clamp, bolts, rawl plugs etc. breaking and making good of walls, if required , and including all labour and materials complete as per directions of Engineer-In-Charge, applicable standards and Indian Electricity rules.					
120	Shock hazard charts complete with frame and glass	25	Nos.	129	3,225	
121	First Aid Boxes	25	Nos.	5,150	128,750	
122	Carbon-di-oxide(CO2) type fire extinguisher 4.5 Kg capacity Complete with gunmetal valve conforming to IS : 3224 With ISI mark , Discharge horn with bend & wall fixing Bracket With Mfg. Test certificate	50	Nos.	6,180	309,000	
123	Caution boards (Danger, High Volatage) including supply of necessary clamps, bolts and other hardware.	25	Nos.	129	3,225	
124	Single Line Diagram complete in glass frame.	25	Nos.	6,438	160,950	
125	Supply of Insulating Mats 11kV grade (as per IS:15652 - 2006) of 1000mm width, required for maintenance of electrical equipment in substation as required including cutting to required shape in running length and including all labour and materials etc. complete and as per directions of Engineer-In-Charge as per applicable Indian or International standards and Indian Electricity Rules.	125	Mtrs	644	80,500	
126	Supply of electrical accessories including, cable tags, cable tie ,Flexible pvc conduit,cable marker, nickle plated lugs, double compressed brass cable glands,brass adaptor/reducers/nipples, fixing of metallic anchor fasteners for supporting of cable trays and misc. electrical switchgear including all labour and materials complete as required and as per directions of Engineer-In-Charge.					
127	For RO/DBS	25	Lumpsum	10,000	250,000	
128	Supply of required material for construction of Cable pit with pit cover (SFRC cover HD-20 of IS-12592) including civil works repair, concrete wall/brick wall & its materials, cable conduits interface & its water sealing, cable support structure including all labour and materials complete in all aspect as per approved drawings and directions of Engineer-In-Charge.					
129	500X500(of inside clearance)X 600(Depth)	125	Nos.	2,575	321,875	
130	750X750(of inside clearance)X800(Depth)	125	Nos.	3,219	402,375	
131	1000X1000(of inside clearance)X1000(Depth)	50	Nos.	3,863	193,150	
132	ELECTRICAL WORKS (Erection)					
133	ERECTION,TESTING AND COMMISSIONING					
134	Erection Testing and Commissioning of power distribution board (PDB):					
135	415 V, 36 KA single front type indoor PDB to receive input power consisting of bus bar chamber, cable alley,outgoing with Fuse complete with wiring, indication lamp, ammeter, voltmeter, MFM (Multi Function Meter) etc including all labour and materials with operating mechanism, all accessories, mandatory spares as per data sheet, auxiliaries with FLP LCS(Local Control switch) for tripping the main incomer of PDB etc complete in all respects as specified in technical specification, data sheet & SLD no. MEC/Q7NT/05/E9/E/1081A & as per standard Specification. Single In-comer of 125 Amp (with Single phase preventer & VMR) 4P MCCB (with Micro processor and based O/C,S/C & E/F RELEASE with LSIG & Shunt trip) . Outgoing with 01 no. 80 Amp TPN MCCB (with TM based O/C,S/C & E/F RELEASE) for Booster Compressor. Outgoing with 01 no. 63 Amp TPN MCCB (with TM based O/C,S/C & E/F RELEASE) for APFC panel. Outgoing with 02 nos. 32 Amp TPN MCCB (with TM based O/C & S/C RELEASE) for UPS and Static Bypass. Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB with Timer(24Hrs) Auto/Mannual Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB without Timer	15	Nos.	10,000	150,000	

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
136	415 V, 36 KA single front type indoor PDB to receive input power consisting of bus bar chamber, cable alley, outgoing with Fuse complete with wiring, indication lamp, ammeter, voltmeter, MFM (Multi Function Meter) etc including all labour and materials with operating mechanism, all accessories, mandatory spares as per data sheet, auxiliaries with FLP LCS(Local Control switch) for tripping the main incomer of PDB etc complete in all respects as specified in technical specification, data sheet & SLD no. MEC/Q7NT/05/E9/E/1081B & as per standard Specification. Single incomer of 100 Amp (with Single phase preventer & VMR) 4P MCCB (with Micro processor and based O/C,S/C & E/F RELEASE with LSIG & Shunt trip) . Outgoing with 01 no. 63 Amp TPN MCCB (with TM based O/C,S/C & E/F RELEASE) for Gas Driven Compressor. Outgoing with 02 nos. 32 Amp TPN MCCB (with TM based O/C & S/C RELEASE) for UPS and Static Bypass. Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB with Timer(24Hrs) Auto/Manual Outgoing with 3 nos. 40A Fuse and 3 nos. 10A DP MCB without Timer	10	Nos.	10,000	100,000	
137	Floor mounted APFC Panel of 10KVAR capacitor bank in steps of 4x2.5 KVAR capacitors consisting of bus bar chamber, cable alley incoming (MCCB), outgoing feeder (MCB) as specified in tender specification	15	Nos.	2,500	37,500	
138	Outdoor type dust & weather proof sheet steel (2 mm thick) enclosed MCCB of following rating for mounting on wall or pedestal. 150A, 415V, 4 Pole AC-23 duty and suitable for termination of 3.5 x 120/95/50 sq.mm A2XFY cable on incomer terminals and outgoing terminals with RYB Indication, Voltmeter & Ammeter.	15	Nos.	2,500	37,500	
139	Outdoor type dust & weather proof sheet steel (2 mm thick) enclosed MCCB of following rating for mounting on wall or pedestal. 125A, 415V, 4 Pole AC-23 duty and suitable for termination of 3.5 x 120/95/50 sq.mm A2XFY cable on incomer terminals and outgoing terminals with RYB Indication, Voltmeter & Ammeter etc.	10	Nos.	2,000	20,000	
140	Erection Testing and Commissioning of the complete earthing and lightning protection system, earth electrodes/ pit, earth main ring, earthing of electrical equipments, instrument panels, field instruments, process equipments and pipes/ flanges including all associated civil work with all material (Like Bitumen coating) and labour as per specification and drawings approved by the company in with IS 3043.					
141	Earth Pits- GI PIPE Electrode with 6 mm thick chequered plate cover	125	Nos.	1,000	125,000	
142	Earth Pits- Copper plate Electrode with 6 mm thick chequered plate cover	25	Nos.	1,950	48,750	
143	GI Strip (50X6) mm	2500	Mtrs	25	62,500	
144	GI Strip (25X3) mm	5000	Mtrs	25	125,000	
145	Advance maintenance free earthing system with 3mtr earth electrode of low carbon steel with 250 micron copper coating with carbon based backfill compound as per IS 3043/IEEE-80.	1	Nos.	625	625	
146	Arrangement for Earthing of LCV with Flexible green Cu wire (25 sqmm of approx 30 Meter length) ,Clamp (including bolting arrangement) ,Flexible PVC, crocodile clamps(2 nos.each) and other item etc. including MS enclosure box with door of sheet thk (2.00mm) color etc.	25	Sets	175	4,375	
147	Laying, Termination, Glanding, Testing and Commissioning of the 1.1kV grade XLPE insulated, PVC sheathed, FRLS power and control cables (conforming to IS:7098 and specification) including Cable glands & Lugs etc.of following sizes in trenches/ excavated under ground trench /trays, pulling through pipes and its proper sealing, cutting of paved area, roads etc.					
148	3.5x 120 mm2 A2XFY	10	Mtrs.	50	500	
149	3.5x 95 mm2 A2XFY	10	Mtrs.	50	500	
150	3.5x 50 mm2 A2XFY	5000	Mtrs.	20	100,000	
151	4x 25 mm2 A2XFY	500	Mtrs.	20	10,000	
152	4x10 mm2 2XWY	500	Mtrs.	20	10,000	
153	4x 6 mm2 2XWY	1250	Mtrs.	20	25,000	

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
154	4x 2.5 mm ² 2XWY	20000	Mtrs.	20	400,000	
155	Erection Testing and Commissioning of lighting fixtures complete with mounting bracket, flame proof/non flame proof, control gear box as per the type of fixture, lamps etc. including civil work with pipe inserts for cables and connecting work, with all material and labour as per specifications, drawings and instruction of Engineer-in-charge. Work to be completed in all respects.					
156	Street lighting, integral flame proof well glass fixture (CMIFR approved for Zone-1/2 gas group IIA & IIB) with 72 W LED luminaire with flame proof control gear Model no. FLPW-1095 of Baliga make or equivalent)	150	Nos.	1,500	225,000	
157	Street lighting pole 6mtr high GI octagonal pole (Type BOP-6030 of Bajaj make or equivalent) complete with bracket, GI clamps for fixing flame proof control gear box as per standard drawing & specification.	150	Nos.	1,500	225,000	
158	UPS SYSTEM Erection Testing and Commissioning of including supervision of testing and commissioning by equipment supplier at site including commissioning spares as required of UPS systems as per specification, block diagram and following rating:					
159	3KVA , 230 V Single phase, 50 Hz, single industrial type, UPS system suitable for input Power supply voltage of 320V-460V-TPN with healthy single-Phase Selection, Output 230V +/-1%, AC with Bypass supply, Battery Bank, ACDB (Incomer 32A DP MCB & Outgoing 10 Nos. 6A to 10A DP MCB) and 2.0 hrs. Battery backup (VRLA, 12V) and battery capacity shall not be less than 13.0 KVAh (where KVAh = battery AH x 12 V x No. of Batteries). As per enclosed Specification, Block diagram & Data sheet and shall be complete in all respect. Including All interconnecting cables among UPS, Rectifier, battery stand, ACDB etc (30 mtr shall be considered between battery bank and UPS panel, 30 mtr cable shall be considered between ACDB and UPS panel.	25	Set	5,000	125,000	
160	Erection of following sizes of HDPE Pipe in required length fixed on steel, concrete or similar structure, laid in trenches, digging, construct conduit ductbank and buried in concrete including cutting, bending and similar works, supply of clamps, small iron structures, spacers and installation of seats, plugs, bushings etc., civil works and its materials, including all labour and materials complete as per approved drawings and directions of Engineer-In-Charge.					
161	50 mm NB	8000	Mtrs	50	400,000	
162	100 mm NB	4000	Mtrs	30	120,000	
163	Erection of following Hot Dip Galvanized Ladder/Perforated Type cable trays (as per IS 2629) including bends, tee, crosses, horizontal and vertical splices along with cable tray cover(Wherever required for Asthetic look) etc. as required including Erection of all G.I hardwares, all labour and material as required as per standard drawings, specification and direction of Engineer-in-charge					
164	Perforated type, made from 50mm height and 2.5 mm thick sheet steel & galvanized (86 microns) of following sizes.					
165	150mm wide	250	Mtrs	50	12,500	
166	300mm wide	250	Mtrs	30	7,500	
167	Erection Material					
168	Erection, Fixing and Commissioning of MS base frame support for switch gear and bracket for misc. electrical equipment, cable tray support out of roled MS section, pipes, plates etc including welding, bolting, reveting. Erection of necessary anchor bolts and grouting etc Erection of paints applying one coat of anti rust primer two finish coats of approved synthetic enamel paints including bracking walls, floors etc for structure as required including Erection of all GI hardware materials including all labour and materials complete as required and the direction of Engineer-in-charge.					
169	For RO/DBS	25	Lumpsum	3,000	75,000	

SCHEDULE OF RATES FOR TENDER DOCUMENT FOR MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT PATNA GEOGRAPHICAL AREA (2 YEARS ARC)

Tender No: 05/51/Q7NT/GAIL/001-iv-10 (Tender ID: 2023_GAIL_169696)

Sl. No.	Item Description	Quantity	Units	KULDEEP KUMAR CONTRACTOR		AHR Items
				UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE OF FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT	
				In INR	In INR	
170	Erection Testing and Commissioning of the following including the Erection of necessary clamp, bolts, rawl plugs etc. breaking and making good of walls, if required , and including all labour and materials complete as per directions of Engineer-In-Charge, applicable standards and Indian Electricity rules.					
171	Shock hazard charts complete with frame and glass	25	Nos.	300	7,500	
172	First Aid Boxes	25	Nos.	300	7,500	
173	Carbon-di-oxide(CO2) type fire extinguisher 4.5 Kg capacity Complete with gunmetal valve conforming to IS : 3224 With ISI mark , Discharge horn with bend & wall fixing Bracket With Mfg. Test certificate	50	Nos.	300	15,000	
174	Caution boards (Danger, High Volatage) including Erection of necessary clamps, bolts and other hardware.	25	Nos.	300	7,500	
175	Single Line Diagram complete in glass frame.	25	Nos.	300	7,500	
176	Laying and Pasting of Insulating Mats 11kV grade (as per IS:15652 - 2006) of 1000mm width, required for maintenance of electrical equipment in substation as required including cutting to required shape in running length and including all labour and materials etc. complete and as per directions of Engineer-In-Charge as per applicable Indian or International standards and Indian Electricity Rules.	125	Mtrs	50	6,250	
177	Erection Fixing and Commissioning of electrical accessories including, cable tags, cable tie ,Flexible pvc conduit,cable marker, nickle plated lugs, double compressed brass cable glands,brass adaptor/reducers/nipples, fixing of metallic anchor fasteners for supporting of cable trays and misc. electrical switchgear including all labour and materials complete as required and as per directions of Engineer-In-Charge.					
178	For RO/DBS	25	Lumpsum	2,000	50,000	
179	Construction of Cable pit with pit cover (SFRC cover HD-20 of IS-12592) including civil works repair, concrete wall/brick wall & its materials, cable conduits interface & its water sealing, cable support structure including all labour and materials complete in all aspect as per approved drawings and directions of Engineer-In-Charge.					
180	500X500(of inside clearance)X 600(Depth)	125	Nos.	375	46,875	
181	750X750(of inside clearance)X800(Depth)	125	Nos.	625	78,125	
182	1000X1000(of inside clearance)X1000(Depth)	50	Nos.	938	46,900	
183	All works relating to statutory approvals of the installation from competent authority like Electrical Inspectorate, CEA, DGMS, SEB etc. including carrying out of all required modifications in design / Manufacturer / Installation to meet the requirement of Indian Electricity rules and other statutory regulations in force, carrying out necessary paper work and liasion with the authorities to obtain all necessary clearances for charging of installation as per relevant national standards. However the official fees towards the approvals shall be reimbursed by the client.	25	Lumpsum	25,000	625,000	
184	Net Total Amount of quoted price (inclusive of all applicable taxes & duties except GST (CGST&SGST/UTGST or IGST)				54,579,726	
185	GST (CGST & SGST / UTGST or IGST) @ 18% of Net Total Amount mentioned at Sl. No. 184 above. (@18%)				9,824,351	
	Total Including GST				64,404,077	

Signature Not Verified

Digitally signed by RAKESH SHARMA
Date: 2023.12.30 12:45:19 IST
Location: eProcurement System for Central PSUs

RAKESH SHARMA

Digitally signed by RAKESH SHARMA
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292c, postalCode=110092, street=15TH
FLOOR NOKIA TOWER SCOPE MINOR
LAXMI NAGAR,
pseudonym=73f58b5fb696c6ceff1f3434
2d9a2d3,
serialNumber=b50c688304fa188153f10d
01d7e07a250289980bbf67ae45a3c1c3e9
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LIMITED, cn=RAKESH SHARMA
Date: 2023.12.14 17:15:41 +05'30'