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-15 /FOA-1013 **DATE: 06.03.2024**

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: 652933) AND ALL OTHER SUBSEQUENT CORRESPONDENCE AGAINST BIDDING DOCUMENT NO. **05/51/Q7NT/GAIL/001-IV-15** DATED 14.12.2023 (TENDER ID.: **2023_GAIL_177407_1**) FOR **MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL AREAS (2 YEARS ARC)** 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. 5,56,71,321/-** (INDIAN RUPEES FIVE CRORE FIFTY SIX LAKH SEVENTY ONE THOUSAND THREE HUNDRED TWENTY ONE 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)

राकेश शर्मा / RAKESH SHARMA
वरि. महाप्रबंधक(अनुबंध) /SR. GM (CONTRACTS)
मेकॉन लिमिटेड, दिल्ली /MECON LIMITED, DELHI

CC: BY COURIER TO:
M/s Kuldeep Kumar Contractor
Shop No. 452, 1st Floor, New Grain Market, Karnal-132001, Haryana
Tel No.: +91- 9813011555, 0184-2221452

Annex-I to FOA No. 05/51/Q7NT/GAIL/001-IV-15/FOA-1013 dtd. 06/02/2024

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
1	Mechanical & Piping Works					
2	SECTION-A : SS TUBE & FITTING - SUPPLY, LAYING & TESTING					
3	Laying, testing and commissioning of SS tubes along with fittings as per Technical Specification, Typical P & ID for type of CNG station and scope of work including handling, lifting, transportation from stores to CNG stations.					
4	¾"OD X 0.095" min Wall thk. SS Tube (Refer TS Section III - A)	2890	RM	350.88	1,014,043	
5	½"OD X 0.083" min Wall thk. SS Tube (Refer TS Section III - A)	297	RM	350.88	104,211	
6	SUPPLY OF SS TUBES as per Technical Specification					
7	¾"OD X 0.095" min Wall thk.,Material SS316SS Tube (Refer TS Section III - A)	288	RM	1,734.00	499,392	
8	½"OD X 0.083" min Wall thk.,Material SS316 SS Tube (Refer TS Section III - A)	36	RM	1,497.36	53,905	
9	Note: Quantities beyond mentioned quantities may be provided as free issue.					
10	Supply of SS Fittings,Valves					
11	Quick Connect Body & Stem					

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
12	End connection:½" Tube OD, for stem & ½"NPT (F) for body Material : SS316; Rated pressure : 5000 PSI @ 70°F Temperature: 0°F to 400°F	25	Nos.	6,566.76	164,169	
13	Plug					
14	Size : ½" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	25	Nos.	517.14	12,929	
15	Size : ¾" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	51	Nos.	673.20	34,333	
16	Caps					
17	Size : ½" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	25	Nos.	529.38	13,235	
18	Size : ¾" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	127	Nos.	763.98	97,025	
19	Union					
20	Size : ¾" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	595	Nos.	2,012.46	1,197,414	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
21	Size : ½" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	51	Nos.	1,219.92	62,216	
22	Reducing Union					
23	Tube OD 3/4" x Tube OD 1/2", Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	119	Nos.	1,928.82	229,530	
24	Equal Tee					
25	Size:½" OD x ½" OD x ½" OD, Material:SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	8	Nos.	1,941.06	15,528	
26	Size:¾" OD x ¾" OD x ¾" OD, Material : SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	76	Nos.	3,596.52	273,336	
27	Reducing Union Tee					
28	¾" OD x ½" OD x ¾" OD, Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	8	Nos.	4,314.60	34,517	
29	Tube End Connection					

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
30	½" Tube End & ¾" OD with Ferrule Fitting, SS316 (Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	102	Nos.	1,020	104,040	
31	Nut					
32	¾ " OD, Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	51	Nos.	339.66	17,323	
33	½" OD, Material : SS316(Rated pressure : 6000 PSI @ 70°F Temperature : 0°F to 400°F)	25	Nos.	215.22	5,381	
34	Front Ferrule					
35	3/4" OD, Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	51	Nos.	188.70	9,624	
36	½" OD, Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	25	Nos.	122.40	3,060	
37	Back Ferrule					
38	3/4" OD, Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	51	Nos.	168.30	8,583	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
39	½" OD, Material : SS316(Rated pressure : 5000 PSI @ 70°F Temperature : 0°F to 400°F)	25	Nos.	111.18	2,780	
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.	435.54	3,484	
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.	590.58	14,765	
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.	4,857.24	38,858	
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 ¾"	8	Nos.	14,246.34	113,971	
47	2-Way Floating Full Bore Ball Valve ¾"	382	Nos.	17,340.00	6,623,880	

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				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 (IN INR)	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)	
48	2-Way Trunnion Full Bore Ball Valve ½"	8	Nos.	13,679.22	109,434	
49	2-Way Floating Full Bore Ball Valve ½"	119	Nos.	16,320	1,942,080	
50	3-Way Trunnion Mounted, Reducer Bore Ball Valve ½" OD end Connection and ¼" NPT (F) bottom end connection	8	Nos.	23,953.68	191,629	
51	Conductive Core Thermoplastic Hose					
52	3/8" ID Conductive Core Thermoplastic Hose for CNG Service with break away coupling	8	Nos.	78,795	630,360	
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	393.72	16,536	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	319.26	13,409	
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.	15,300	382,500	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
60	Cascade 4500/3000/2200 L water capacity, Erection at + Ground level (Refer TS Section III - B)	8	Nos.	15,300	122,400	
61	Dispenser Erection at + Ground Level	38	Nos.	10,200	387,600	
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.	102,000	102,000	
66	Water cooler (Refer TS Section III - C)	1	No.	51,000	51,000	
67	Fire fighting Equipments (Refer TS Section III - C)					

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
68	DCP -9 Kg	89	Nos.	4,570.62	406,785	
69	DCP -75 Kg	25	Nos.	30,600	765,000	
70	CO2 – 4.5 Kg	25	Nos.	7,564.32	189,108	
71	Sand Bucket (4 Nos. on each strand)	25	Nos.	4,727.70	118,193	
73	STRUCTURAL WORKS					
74	Pipe Supports & Other Structures					

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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				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 (IN INR)	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)	
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	MTon.	122,400	734,400	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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					

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	2,040	51,000	
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.	2,040	51,000	
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) :					

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	275,400	4,131,000	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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 RELASE with LSIG & Shunt trip) . Outgoing with 01 no. 63 Amp TPN MCCB (with TM based O/C,S/C & E/F RELASE) for Gas Driven Compressor. 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	10	Nos.	275,400	2,754,000	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	58,140	872,100	
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.	22,440	336,600	
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.	22,440	224,400	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	9,586.98	1,198,373	
91	Earth Pits- Copper plate Electrode with 6 mm thick chequered plate cover	25	Nos.	22,981.62	574,541	
92	GI Strip (50X6) mm	2500	Mtrs	263.16	657,900	
93	GI Strip (25X3) mm	5000	Mtrs	82.62	413,100	
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.	8,536.38	8,536	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
95	Arrangement for Earthing of LCV with Flexible green Cu wire (25 sqmm of approx 30 Meter length) ,Clamp (including bolting arrangement) ,Flexible PVC, crcodile clamps(2 nos.each) and other item etc. including MS enclosure box with door of sheet thk (2.00mm) color etc.	25	Sets	5,100	127,500	
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.	579.36	5,794	
98	3.5x 95 mm2 A2XFY	10	Mtrs.	460.02	4,600	
99	3.5x 50 mm2 A2XFY	5000	Mtrs.	244.80	1,224,000	
100	4x 25 mm2 A2XFY	500	Mtrs.	186.66	93,330	
101	4x10 mm2 2XWY	500	Mtrs.	133.62	66,810	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
102	4x 6 mm2 2XWY	1250	Mtrs.	105.06	131,325	
103	4x 2.5 mm2 2XWY	20000	Mtrs.	153	3,060,000	
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.	7,140	1,071,000	
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.	11,220	1,683,000	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	510,000	12,750,000	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	81.60	652,800	
111	100 mm NB	4000	Mtrs	142.80	571,200	
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					

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	748.68	187,170	
115	300mm wide	250	Mtrs	1,195.44	298,860	
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.					
118	For RO/DBS	25	Lumpsum	10,200	255,000	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	131.58	3,290	
121	First Aid Boxes	25	Nos.	5,253	131,325	
122	Carbon-di-oxide(CO_2) 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.	6,303.60	315,180	
123	Caution boards (Danger, High Volatage) including supply of necessary clamps, bolts and other hardware.	25	Nos.	131.58	3,290	
124	Single Line Diagram complete in glass frame.	25	Nos.	6,566.76	164,169	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	656.88	82,110	
126	Supply of electrical accessories including, cable tags, cable tie ,Flexible pvc conduit,cable marker, nickle plated lugs, double compressed brass cable glands,brass adaptar/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	10,200	255,000	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	2,626.50	328,313	
130	750X750(of inside clearance)X800(Depth)	125	Nos.	3,283.38	410,423	
131	1000X1000(of inside clearance)X1000(Depth)	50	Nos.	3,940.26	197,013	
132	ELECTRICAL WORKS (Erection)					
133	ERECTION,TESTING AND COMMISSIONING					
134	Erection Testing and Commissioning of power distribution board (PDB):					

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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 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.	10,200	153,000	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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 RELASE with LSIG & Shunt trip) . Outgoing with 01 no. 63 Amp TPN MCCB (with TM based O/C,S/C & E/F RELASE) for Gas Driven Compressor. 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	10	Nos.	10,200	102,000	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	2,550	38,250	
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.	2,550	38,250	
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.	2,040	20,400	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	1,020	127,500	
142	Earth Pits- Copper plate Electrode with 6 mm thick chequered plate cover	25	Nos.	1,989	49,725	
143	GI Strip (50X6) mm	2500	Mtrs	25.50	63,750	
144	GI Strip (25X3) mm	5000	Mtrs	25.50	127,500	
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.	637.50	638	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
146	Arrangement for Earthing of LCV with Flexible green Cu wire (25 sqmm of approx 30 Meter length) ,Clamp (including bolting arrangement) ,Flexible PVC, crcodile clamps(2 nos.each) and other item etc. including MS enclosure box with door of sheet thk (2.00mm) color etc.	25	Sets	178.50	4,463	
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.	51	510	
149	3.5x 95 mm2 A2XFY	10	Mtrs.	51	510	
150	3.5x 50 mm2 A2XFY	5000	Mtrs.	20.40	102,000	
151	4x 25 mm2 A2XFY	500	Mtrs.	20.40	10,200	
152	4x10 mm2 2XWY	500	Mtrs.	20.40	10,200	

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
153	4x 6 mm2 2XWY	1250	Mtrs.	20.40	25,500	
154	4x 2.5 mm2 2XWY	20000	Mtrs.	20.40	408,000	
155	Erection Testing and Commissioning of 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.	1,530	229,500	
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.	1,530	229,500	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

Tender No: 05/51/Q7NT/GAIL/001-iv-15 (Tender ID: 2023_GAIL_177407_1)

Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	5,100	127,500	

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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	51	408,000	
162	100 mm NB	4000	Mtrs	30.60	122,400	
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.					

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165	150mm wide	250	Mtrs	51	12,750	
166	300mm wide	250	Mtrs	30.60	7,650	
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	3,060	76,500	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	306	7,650	
172	First Aid Boxes	25	Nos.	306	7,650	
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.	306	15,300	
174	Caution boards (Danger, High Volatage) including Erection of necessary clamps, bolts and other hardware.	25	Nos.	306	7,650	
175	Single Line Diagram complete in glass frame.	25	Nos.	306	7,650	

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	51	6,375	
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 adaptar/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	2,040	51,000	

SCHEDULE OF RATES OF MECHANICAL AND ELECTRICAL WORKS FOR CONSTRUCTION OF CNG STATIONS AT RANCHI JAMSHEDPUR GEOGRAPHICAL

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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.	382.50	47,813	
181	750X750(of inside clearance)X800(Depth)	125	Nos.	637.50	79,688	
182	1000X1000(of inside clearance)X1000(Depth)	50	Nos.	956.76	47,838	

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Sl. No.	Item Description	Quantity	Units	Kuldeep Kumar Contractor		AHR
				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 (IN INR)	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)	
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	25,500	637,500	
184	Total Amount excluding GST				55,671,321	
185	GST (CGST & SGST / UTGST or IGST) @ 18% of Net Total Amount mentioned at Sl. No. 184 above. (Enter rate of applicable GST)				10,020,838	
	Total Amount Including GST				65,692,158	

Signature Not Verified
Digitally signed by RAKESH SHARMA
Date: 2024.05.06 11:36:37 IST
Location: eProcurement System for Central PSUs