



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)

21.03.2024

FOA NO. 05/51/Q7NT/GAIL/001-III/FOA-1016

DATE: 13.03.2024

TO : M/S SARK EPC PROJECTS PVT. LTD.
PHONE : 079 - 27774147, 8980025859
EMAIL : sales@sarkprojects.com , meera@sarkprojects.com
ATTN : MS. MEERA GOSWAMI, ENGINEER (C&P)
FROM : SR. GM (CONTRACTS), MECON LIMITED, DELHI

PLEASE REFER TO YOUR OFFER NO. SARK.TND.GAIL.2023-24.088 DATED 21-12-2023 (NIC BID ID: 648030) AND ALL OTHER SUBSEQUENT CORRESPONDENCE AGAINST BIDDING DOCUMENT NO. 05/51/Q7NT/GAIL/001-III DATED 02.12.2023 (TENDER ID: 2023 GAIL 175474 1), COMM. CORR.#1 DATED 22.12.2023 & COMM. CORR.#2 DATED 29.12.2023 FOR PERMANENT CATHODIC PROTECTION (PCP) WORKS (18 MONTHS ARC) UNDER 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 INR 6,76,25,500 (INDIAN RUPEES SIX CRORE SEVENTY-SIX LAKH TWENTY-FIVE THOUSAND FIVE HUNDRED 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 SARK EPC PROJECTS PVT. LTD

SF-201, (S-201-203, second floor), Satyamev Eminence,

B/S Saptak Bungalows, Science City Road, Sola, Ahmedabad -380060, Gujarat

प्रधान कार्यालय / Head Office :

राँची / Ranchi

+91-651-248 3000 (Phone)
+91-651-248 2189/248 2214 (Fax)
ranchi@meconlimited.co.in

बैंगलूरु / Bangalore

+91-80-2657 1661-63 (Phone)
+91-80-2625 2000 (Phone)
+91-80-2657 6352 (Fax)
bangalore@meconlimited.co.in

मुम्बई / Mumbai

+91-22-27-81 2155-58 (Phone)
+91-80-2781 2275 (Fax)
Mumbai@meconlimited.co.in

कार्यालय / Office :

कोलकाता / Kolkata

+91-33-2282 2381-82 (Phone)
+91-33-2282 4441 (Fax)
kolkata@meconlimited.co.in

चेन्नई / Chennai

+91-44-2618 4873 (Phone)
+91-44-2618 4874 (Fax)
chennai@meconlimited.co.in

21-02-2024

Sl. No.	Item Description	Quantity	Units	SARK		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 (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	PCP System for Varanasi GA, Bhubaneshwar GA, Cuttack GA, Patna GA, Ranchi GA & Jamshedpur GA					
2	Design, detail engineering, Manufacturing, Inspection/FAT (Factory acceptance test), supply, Packing, insurance, transportation to site, storage at site (Transportation of material from storage to site), loading/unloading, installation, testing & commissioning of impressed current based permanent cathodic protection system to protect the external surfaces of long 3LPE coated pipelines against corrosion laid in Various GAs of GAIL, for minimum services life of 35 years using MMO coated Titanium anodes with backfill, CPPSM/TR Units, AJB's, CJB's, all interconnecting cables, reference cells, hook-up of existing PCP system if any, Bonding of pipelines, monitoring systems including AC-DC interference detection and mitigation & all other equipments and hardwares required for completeness of job as specified in specification, Scope of Work, as per MECON's Standard Specifications for PCP System MEC/TS/05/02/016B, scope of work, design basis & data sheets enclosed, Land for AGB shall be provided by GAIL or AGB shall be installed in GAIL premises i.e. CGS, CNG station, DRS, MRS etc, details are given under below.					
3	Design, Detailed Engineering, Preparation of PCP Design Document & Bill of Material, field survey for Permanent Cathodic Protection system, Measurement of soil resistivity (Layer resistivity at AGB) at AGB location as per specification for corrosion survey MEC/TS/05/21/016C including collection of additional data with all types of crossings is in the scope of bidder, including Selection of plot/location for Deepwell anode groundbed at CP station locations within CNG stations, considering remoteness from the target pipeline of following GAs-					
4	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur.	286.6	Km	5.000	1,433,000	
5	Design, Engineering, Supply of anode ground bed (AGB), deep-well bed type (1x 10 nos or 2x5 nos, configuration as per the soil data) for following GAs, consisting of minimum ten (10) numbers of Mixed Metal Oxide Coated Titanium Tubular Anodes of 25mm dia./ 1000mm long size and 8A Rating with tail cable of 1C x 10mm ² Annealed Stranded Copper conductor, PVDF insulated, HMWPE sheathed/Jacket (Kynar Cable) shall be terminated at AJB. Actual numbers of anodes shall be finalized after the approval of design calculation & configuration of AGB submitted by the Bidder. Anode Ground Bed resistance should be maintained less than 1- Ohms. Minimum depth of deep-well anode bed shall be Min. 48m (it may increase as per the survey data to get effective remoteness from pipeline).					
6	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur.	18	Nos.	950,000	17,100,000	
7	Installation, testing & commissioning of anode ground bed (AGB) of deep-well bed type (1x 10 nos or 2x5 nos, configuration as per the soil data) for following GAs, having individual anodes vertically in bed, consisting of minimum ten (10) numbers of Mixed Metal Oxide Coated Titanium Tubular Anodes of 25mm dia./ 1000mm long size and 8A Rating with tail cable of 1C x 10mm ² Annealed Stranded Copper conductor, PVDF insulated, HMWPE sheathed/Jacket (Kynar Cable) shall be terminated at AJB. Actual numbers of anodes shall be finalized after the approval of design calculation & configuration of AGB submitted by the Bidder. Anode Ground Bed resistance should be maintained less than 1- Ohms. Minimum depth of deep-well anode bed shall be 48m (As per drawing) & it may increase as per the survey data to get effective remoteness from pipeline.					
8	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur.	18	Nos.	300,000	5,400,000	
9	Supply including design, manufacturing, shop testing, inspection, packing, forwarding, transportation of indoor type 75V/25A output rating AC/DC operated automatic CP transformer rectifier unit/CPSPM unit conforming to standard specification No. MEC/TS/05/E9/082A & B, Data Sheet & Drawing. The CP Units shall be installed inside the control room for following GA. All the CP units shall have SCADA monitoring facility, current interruption facility with timer (GSM connectivity & GPS Synchronization) etc as per specification including commissioning and maintenance spares as required.					

SCHEDULE OF RATES FOR PERMANENT CATHODIC PROTECTION (PCP) WORKS FOR SIX CITY CGD PROJECT (18 MONTHS ARC) OF M/S GAIL (India) Limited

Tender No: 05/51/Q7NT/GAL/001-III (Tender ID: 2023_GAIL_175474_1)

Sl. No.	Item Description	Quantity	Units	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)	SARK 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)	AHR Items
10	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur,	18	Nos.	550,000	9,900,000	
11	Installation, civil structural support, earthing, testing & commissioning of outdoor type 75V/25A output rating AC operated automatic CP transformer rectifier unit conforming to standard specification No. MEC/TS/05/082A, Data Sheet & Drawing for following GAs. The TR Units shall be installed indoor. Bidder scope include proper installation of CP units in the room with all fabrication work. All the TR units shall have SCADA monitoring facility, current interruption facility with timer (GPS Synchronized) etc as per specification including commissioning and maintenance spares as required					
12	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur,	18	Nos.	25,000	450,000	
13	Supply of all the cables (Cu-Conductor, XLPE insulated, PVC sheathed, Arm'd/Unrm'd (1Cx6 mm ² , 1Cx10 mm ² , 1Cx25 mm ² , 1Cx35 mm ² as required) of PCP system, including all incoming power cable and outgoing CP cables of CPTR/ CPPSM units including making of under ground trenches, testing, commissioning of all interconnecting cables among Power Supply, CP Unit, battery bank etc including supply of lined-Cu lugs, double compression type cable glands, cable marker, cable tags etc as required for completion of the work at selected CP station locations, Break up of Cable quantities shall be carried during approval of engineering document.					
14	1c x 6 mm ² - armored for potential measurement, Ref Cell etc	3000	Mtr	130	390,000	
15	Multi-core, FRLS, 1.5 Sqmm, 12 pair, twisted pair, armoured, signal cables as per IS/BS for ref cell etc from CJB to TR unit.	2700	Mtr	350	945,000	
16	1Cx 25 mm ² - armored for Bonding/Grounding etc.	2500	Mtr	360	900,000	
17	1Cx 35 mm ² - armored for Anode & Cathode Header Cable.	3500	Mtr	500	1,750,000	
18	3C X 10mm ² - armored for TR/CPSPM unit incoming cable.	1100	Mtr	450	495,000	
19	Laying, termination, Gland, ferruling, testing and commissioning of all the cables (Cu-Conductor, XLPE insulated, PVC sheathed, Arm'd/Unrm'd (1Cx6 mm ² , 1Cx10 mm ² , 1Cx25 mm ² , 1Cx35 mm ² as required) of PCP system, including all incoming power cable and outgoing CP cables of CPTR/ CPPSM units including making of under ground trenches, testing, commissioning of all interconnecting cables among Power Supply, CP Unit, battery bank etc including installation of lined-Cu lugs, double compression type cable glands, cable marker, cable tags etc as required for completion of the work at selected CP station locations of GAs Break up of Cable quantities shall be carried during approval of engineering document.					
20	1c x 6 mm ² - armored for potential measurement, Ref Cell etc	3000	Mtr	110	330,000	
21	Multi-core, FRLS, 1.5 Sqmm, 12 pair, twisted pair, armoured, signal cables as per IS/BS for ref cell etc from CJB to TR unit.	2700	Mtr	110	297,000	
22	1Cx 25 mm ² - armored for Bonding/Grounding etc.	2500	Mtr	110	275,000	
23	1Cx 35 mm ² - armored for Anode & Cathode Header Cable.	3500	Mtr	110	385,000	
24	3C X 10mm ² - armored for TR/CPSPM unit incoming cable.	1100	Mtr	110	121,000	
25	All Cable to pipe connection by Thermit welding/Pin brazing (for charged pipeline) for 35, 25, 10, 6 sq.mm copper cable including excavation and exposing piping, recoating with epoxy, testing, material supply etc.	500	Nos.	2,200	1,100,000	
26	Supply of Junction Boxes for GAs as per design of PCP system for Anode bed -					
27	Anode Junction Boxes (IP-55, Weather Proof)	18	Nos.	35,000	630,000	
28	Cathode Junction Boxes (IP-55, Weather Proof) PCP Bond Junction box including Hookup/Bonding of new pipelines to existing PCP system at CJB/CPSPM/TLP as required by means of direct/resistance/diode-resistance bonding as required as per detail mentioned in scope of work.	18	Nos.	32,000	576,000	
29	Cathode Junction Boxes/ PCP Bond Junction box (IP-55, Flame proof Ex-d & Weather Proof) including Hookup/Bonding of new pipelines to existing PCP system at CJB/CPSPM/TLP as required by means of direct/resistance/diode-resistance bonding as required as per detail mentioned in scope of work.	5	Nos.	25,000	125,000	
30	Installation, testing & commissioning of Junction Boxes including all labor and civil work for GAs as design -					
31	Anode Junction Boxes (IP-55, Weather Proof)	18	Nos.	8,500	153,000	

SCHEDULE OF RATES FOR PERMANENT CATHODIC PROTECTION (PCP) WORKS FOR SIX CITY CGD PROJECT (18 MONTHS ARC) OF M/S GAIL (India) Limited

Tender No. 05/51/Q7/NT/GAIL/001-iii (Tender ID: 2023_GAIL_175474_1)

Sl. No.	Item Description	Quantity	Units	SARK		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 (IN	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)	
32	Cathode Junction Boxes (IP-55, Weather Proof) PCP Bond Junction box including Hookup/Bonding of new pipelines to existing PCP system at CJB/CPPS/WTLTP as required by means of direct resistance bonding as required as per detail mentioned in scope of work.	18	Nos.	8,500	153,000	
33	Supply of Recommended Spares for CP unit as per scope of work for each GA as per Appendix-II in scope of work.	6	Lot	150,000	900,000	
34	Supply of Recommended Spares for 2 Years Operation & Maintenance of CP system as per spare list enclosed (Appendix-II in scope of work)	5	Lot	220,000	1,320,000	
35	Testing & Commissioning of Complete Permanent Cathodic Protection System of the complete pipelines in each GA as per scope of work.					
36	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	286.6	Km	3,000	859,800	
37	Post Commissioning Surveys as per the approved procedures					
38	Post Commissioning Surveys-CIPL Survey including PCP effectiveness check by measuring PSP at Coupon locations					
39	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	286.6	Km	7,000	2,005,200	
40	Post Commissioning Surveys-Current Attenuation Test Survey (CAT)					
41	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	286.6	Km	5,500	1,575,300	
42	Post Commissioning Surveys-DCVG survey at the complete length of the pipeline for mapping coating defects on the pipeline. (Holiday mapping shall be quantified with known size of coupon prior to start of the DCVG survey, with respect the %IR/RE observed while detecting the known size coupon holiday.)					
43	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	286.6	Km	5,000	1,719,600	
44	Post Commissioning Surveys-AC & DC Interference Detection & Mitigation Survey for whole pipeline by back up agency/bidder includes software based modeling/simulation of the pipeline for the AC pick-up due to long term (induced) & short term interference (Ground Fault, Lightning etc) and AC corrosion study and mitigations. DC interference studies & Mitigations measures shall also be carried out as per the scope of work. The details of pipelines are provided in scope of work. Material required for all mitigation measures proposed by Bidder, shall be in the scope of the Bidder.					

SCHEDULE OF RATES FOR PERMANENT CATHODIC PROTECTION (PCP) WORKS FOR SIX CITY CGD PROJECT (18 MONTHS ARC) OF M/S GAIL (India) Limited

Tender No. 05/51/Q7/NT/GAIL/001-III (Tender ID: 2023_GAIL_175474_1)

Sl. No.	Item Description	Quantity	Units	SARK		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 (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)	
45	Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	286.6	Km	11,000	3,152,600	
46	Preparation and submission of As-Built drawings/documents including final commissioning report for PCP system, Post commissioning survey, Interference study report as per approved design for all GA.	1	LS	200,000	200,000	
47	Polarisation coupons (25 mmx 25mm) with Magnetic reed switch & ref cell for as per approved design-	57	Nos.	23,000	1,311,000	AHR
48	Supply of Polarisation coupons (25 mmx 25mm) with Magnetic reed switch & Permanent Ref Cell at following GA- Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	57	Nos.	5,000	285,000	AHR
49	Installation, testing & commissioning of Polarisation coupons (25 mmx 25mm) with Magnetic reed switch at following GA- Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	28	Nos.	11,000	308,000	
50	AC Corrosion Coupons for all GA	28	Nos.	5,000	140,000	AHR
51	Supply of AC corrosion coupons (1 Cm2 exposed area) at HT line and locations prone to interference have one side exposed area of 10 mm x 10 mm with AC current shunt, shall be provided along the pipeline at vulnerable locations to monitor the AC corrosion activity on the pipeline as per enclosed standard specification. Location of AC corrosion coupons (1 Cm2 exposed area) shall be decided during detail engineering in consultation with GAIL/MECON.	28	Nos.			
52	Installation, testing & commissioning of AC corrosion coupons (1 Cm2 exposed area) at HT line and locations prone to interference have one side exposed area of 10 mm x 10 mm with AC current shunt, shall be provided along the pipeline at vulnerable locations to monitor the AC corrosion activity on the pipeline as per enclosed standard specification. Location of AC corrosion coupons (1 Cm2 exposed area) shall be decided during detail engineering in consultation with GAIL/MECON.	28	Nos.			
53	Computerized test stations	28	Nos.	48,000	1,344,000	
54	Supply, installation, testing & commissioning of CTSU unit as per MECON specification for the following GA- Varanasi, Bhubaneshwar, Cuttack, Patna, Ranchi, Jamshedpur, (Refer scope of work for the breakup of the quantities)	12	Nos.	35,000	420,000	
55	Supply, recording & demonstration of CTSU reader/Laptop working on GSM as per specification with all softwares and Hardwares as per scope of work for automatic recording of DC PSP & current, AC PSP & AC corrosion density.	6	Nos.	250,000	1,500,000	AHR
56	Supply, installation, testing & commissioning of central monitoring server at each GA with central monitoring facilities of CTSU & TR unit on GSM as per specification with all softwares and Hardwares as per scope of work.					
57	Comprehensive maintenance of TR Unit/CPPSPM units					

SCHEDULE OF RATES FOR PERMANENT CATHODIC PROTECTION (PCP) WORKS FOR SIX CITY CGD PROJECT (18 MONTHS ARC) OF M/S GAIL (India) Limited

Tender No. 05/51/07NT/GAIL/001-iii (Tender ID: 2023_GAIL_175474_1)

Sl. No.	Item Description	Quantity	Units	UNIT RATE INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, INCLUDING INSURANCE, FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT (IN INR)	SARK TOTAL AMOUNT INCLUSIVE OF ALL TAXES, DUTIES, LEVIES, FREIGHT, INSURANCE, INCLUDING INSURANCE, FREE ISSUE MATERIALS, TAXES ON BUILDING AND OTHER CONSTRUCTION WORKERS, ETC. BUT EXCLUDING GST AS DEFINED IN BID DOCUMENT (IN INR)	AHR Items
58	Comprehensive maintenance of TR Unit/CPPPSM units including spare replacement for period of two years as per scope matrix in the tender document/ scope of	1	LS	650,000	650,000	
59	Comprehensive maintenance of TR Unit/CPPPSM units					
60	Supply of following TCP Materials, if required/found damaged/missing during the PCP system work-					
61	Solid State type Polarisation cells (3.7 kA @ 30 Cycle) for HT power line crossings (66KV & above)	30	Nos.	150,000	4,500,000	
62	New test stations Big Size-(Weather Proof with IP-55) suitable for Polarisation Cells as per tender drawings with name plate	30	Nos.	18,000	480,000	
63	New test stations Normal Size-(Weather Proof with IP-55) as per tender drawings with name plate	20	Nos.	12,000	240,000	
64	Earthing Electrodes 65mm dia x 3mtr long & 4.5 mm thick GI pipe for earthing of cathodically unprotected pipeline at consumer station/DRS station/Metering skid/HT Line.	30	Nos.	10,000	300,000	
65	GI Strip (25X3) mm	600	Mtr	450	270,000	
66	Solid state Surge Diverters rating 100 kA (10/350 uS) for Insulating Joints. (Flame proof type)	20	Nos.	18,000	360,000	
67	Installation, testing & commissioning of following TCP Materials, if required/found damaged/missing/not working during the PCP system work-					
68	Solid State type Polarisation cells (3.7 kA @ 30 Cycle) for HT power line crossings (66KV & above)	30	Nos.	5,000	150,000	
69	New test stations Big Size-(Weather Proof with IP-55) suitable for Polarisation Cells as per tender drawings with name plate	30	Nos.	8,500	255,000	
70	New test stations Normal Size-(Weather Proof with IP-55) as per tender drawings with name plate	20	Nos.	8,500	170,000	AHR
71	Earthing Electrodes 65mm dia x 3mtr long & 4.5 mm thick GI pipe for earthing of cathodically unprotected pipeline at consumer station/DRS station/Metering skid/HT Line.	30	Nos.	3,000	90,000	
72	GI Strip (25X3) mm	600	Mtr	250	150,000	AHR
73	Solid state Surge Diverters rating 100 kA (10/350 uS) for Insulating Joints. (Flame proof type)	20	Nos.	3,000	60,000	
74	Total Amount excluding GST (in INR)				67,625,500	
75	GST (CGST & SGST / UTGST or IGST) @ 18% of Net Total Amount mentioned at Sl. No. 184 above. (Enter rate of applicable GST)				12,172,590	
76	Total Amount including GST (in INR)				79,798,090	



Signature Not Verified

Digitally signed by RAKESH SHARMA

Date: 2024.04.09 12:02:32 IST

Location: eProcurement System for Central PSUs