



CORRIGENDUM # 4

SUPPLY OF VARIOUS EQUIPMENTS REQUIRED FOR STEEL PIPELINE
O&M RELATED ACTIVITIES

TENDER NO. IGL/ET2/CP/CP17771 dated 17.11.2023

Tender Ref. No.: IGL/ET2/CP/CP17771

Tender date: 17.11.2023

Owner: Indraprastha Gas Ltd.

Corrigendum Date: 27.12.2023

Sl. No.	Tender Page No.	Clause/ Para/ Section	Description	Amendment/ Addition/ Modification/ Deletion	
1	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit)	The Pipeline Defect Mapper should be designed and developed in such a way to precisely locate and assist in evaluating coating defects of Cathodically Protected underground pipelines. The profile current to be applied at rectifier unit or any CP point for the measurements by rugged hand-held receiver. Results should be in the form of graphs (plots) which can be viewed on receiver's colour display.	Amendment	The Pipeline Defect Mapper should be designed and developed in such a way to precisely locate and assist in evaluating coating defects of Cathodically Protected underground pipelines. The profile current to be applied at rectifier unit or any CP point for the measurements by rugged hand-held receiver. Results should be in the form of graphs (plots) which can be viewed on receiver's display or in PDA display supplied with the unit
2	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - A1	Should have In-Built Transmissive, 16-bit Color, High Visibility 4.3"/10cm LCD	Amendment	Should have In-Built Transmissive, 16-bit Color/ Monochrome High Visibility 4.3"/10cm LCD
3	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - B2	Should have Colour coded EM Response in Green, Blue and Red colour	Amendment	Should have color coded EM response in Green, Blue and Red color or Should have analytical tools for checking rapid peak and null response.
4	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - B4	Should display GPS Coordinates on receiver's display	Amendment	Should display GPS Coordinates on receiver's / PDA's display
5	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - B8	Locate information with GPS Co-ordinates should be able to export in .kml, .txt, .xls, .shp, .csv file format to external devices such as Laptop/desktop with USB cable	Amendment	Locate information with GPS Co-ordinates should be able to export in .kml, .xls, .csv file format to external devices such as Laptop/desktop with USB cable

6	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - B9	Should have two sets of Omni directional 3D antennas and Low frequency field sensor foot	Amendment	Should have two sets of Omni directional 3D antennas and Low frequency field sensor foot/ Should have unique arrangement of 5 antenna and low filed sensor foot. Either arrangement shall provide precison accuracy during locating.
7	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - B14	Should have Transverse Graph for analysing signal quality of Null and Peak Antennas	Deletion	Deleted
8	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - B25	Should have IP65 and NEMA 4	Amendment	Should have IP65 or NEMA 4
9	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - C8	Should have weight less than 4Kg	Amendment	Product should be light weight and handy during use. Same shall be evaluated during field trial.
10	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - C9	Should have IP54 and NEMA 4	Amendment	Should have IP54 or NEMA 4
11	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - E3	Should have cloud-based application for Real-Time Onscreen mapping and data review	Amendment	Should have cloud based/mobile application for Real-Time Onscreen mapping and data review
12	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - F1	Bidder should have 'OEM Calibration Rig' facility in India	Amendment	Bidder should have 'OEM Calibration Rig' facility or use pre calibrated PCB boards
13	65-74 of 98	Clause No. 3Technical Compliance Data Sheet sub-clause 3.1 Part-A (Pipeline locator cum defect mapper kit) - F2	Submit photograph of actually installed 'OEM Calibration Rig' at bidder's premises	Amendment	Submit photograph of actually installed 'OEM Calibration Rig' at bidder's premises in case of 'OEM Calibration Rig'. Not necessary for online calibration/pre-calibrated PCB boards.

14	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline route locator) - A.3	Vibrating handle to provide indication when over buried utility being located.	Amendment	Vibrating handle for indicating over buried utility or vibration in handle as an alert to user, when there is swing, shallow depth utility, or overload condition
15	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline route locator) - A.3	User must be able to configure at least 8 frequencies as per the requirement on field.	Amendment	User must be able to configure at least 4 frequencies as per the requirement on field.
16	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline route locator) - A.19	-20 to +55 Deg. C	Amendment	-20 to +50 Deg. C
17	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline route locator) - C.03	Should have cloud-based application for Real-Time Onscreen mapping and data review	Amendment	Should have cloud-based or mobile application for RealTime Onscreen mapping and data review
18	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline route locator) - D.1	Bidder should have 'OEM Calibration Rig' facility or use pre calibrated PCB boards	Amendment	Bidder should have 'OEM Calibration Rig' facility or use pre calibrated PCB boards
19	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline route locator) - D.2	Submit photograph of actually installed 'OEM Calibration Rig' at bidder's premises	Amendment	Submit photograph of actually installed 'OEM Calibration Rig' at bidder's premises in case of 'OEM Calibration Rig'. Not necessary for online calibration/pre-calibrated PCB boards.
20	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.4 Part-D (Ultrasonic Thickness Gauge) - Sr. No 17	Certification: ATEX II 1 G Ex ia IIC T6 GA & CSA Class 1 Group A, B, C&D Division 1 for use in Zone 0, Zone 1 Hazardous area.	Amendment	Product shall be certified for use in gas based environments (at least Zone 2 classification).
21	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.6 Part-E (true RMS Digital Multimeter) - Sr. No 6	Should have optical and acoustic warning in the event of incorrect handling.	Amendment	Should have optical or acoustic warning in the event of incorrect handling.
22	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.6 Part-E (true RMS Digital Multimeter) - Sr. No 8e	Capacity measurement range of 60 nF to 3000 micro F	Amendment	Capacity measurement range of 60 nF to 6mF.
23	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline Route Locator) - Sr. No A.23	instrument should have data logging of at least 5000 individual logs. It should be possible to download data in .csv and .kml file formats.	Amendment	Instrument should have data logging of at least 5000 individual logs. It should be possible to download data in .csv or .kml file formats.

24	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline Route Locator) - Sr. No C3	Should have cloud-based application for Real-Time Onscreen mapping and data review.	Amendment	Should have cloud based/mobile application for Real-Time Onscreen mapping and data review
25	65-74 of 98	Clause No. 3 Technical Compliance Data Sheet sub-clause 3.2 Part-B (Pipeline Route Locator) - Sr. No B.12	Environmental Rating IP 65	Amendment	Environmental Rating IP 65 or Nema 54.

Note: 1. All other terms & conditions of tender document remain unaltered.

2. Bidders are requested to visit IGL website <https://www.iglonline.net> / IGL's tendering website <https://petroleum.euniwizarde.com> regularly for further announcement.

3. Bidders are required to submit a copy of this Corrigendum along with their bid duly signed and stamped as a token of acceptance.