



**Bharat Petroleum Corporation Limited
(A Government of India Undertaking)**

Tender No. : LPG.HQ.BULK.VTS.2018

Due Date & Time: 04/09/2018 at 11.00 Hrs

Tender for Award of Contract for Provisioning of VTS Equipment along with voice box, VTS Software Licenses, Operating and Maintenance of VTS Service for Vehicle Management System of LPG Bulk Lorry Fleet for M/s Bharat Petroleum Corporation Limited Under Service Delivery Model.

**Bharat Petroleum Corporation Ltd,
Bharat Bhavan – II,
LPG Department
5th Floor,
Ballard Estate,
Mumbai - 400 001**

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1. NOTICE INVITING TENDER

BPCL is inviting bids to install Vehicle Tracking System in LPG Bulk Lorry fleet of Transporters. The award of contract is for Vehicle Tracking system with end to end solution provided by the vendor such as provisioning of equipments, VTS software licences, operating and maintenance of VTS service for vehicle Management system.

The entire scope of the job shall consist of the following end to end arrangement:

- a. Installation /Commission of Vehicle Tracking Unit including voice box.
- b. Web Hosting at Vendor premises. Vendor to provide all Hardware / Software & will be responsible for maintaining the system.
- c. Arrangement with the Network Service Provider.
- d. Procurement and management of SIMs .
- e. Integration of Geo Fenced routes which will be provided by BPCL, in the system.
Creation of geo fenced routes / addition of waypoints in the system if required.
- f. Deployment of qualified technicians to carry out maintenance of the system at the locations whenever required.
- g. Liaising with the location in-charges for management of data and exception reports.
- h. Various Pictorial and Software reports, mobile app about TT movement and reporting status.
- i. Centralize control/ monitoring center at BPC HQ with one manpower to be provided by the selected bidder on all working days for liaisoning and coordinating with HQ, Regions, Transporters and Vendors.
- j. Extension of live VTS feeds to BPC/Third party software as per BPCL advice.

The product loading centers / controlling offices spread all over India should be able to access the system so as to monitor the movement of the fleet of trucks from a particular loading point to the outlet / customer and back on real time basis.

The detailed specifications are mentioned in subsequent pages.

Tender documents:

Downloading Of Documents:

Tender documents can be downloaded from BPCL web Site <http://www.bharatpetroleum.in> at the following link Energizing Business → Tenders → Search Tenders by categories → LPG Logistics by the interested parties. Details of the tender can also be viewed at <http://bpclproc.in> and <http://eprocure.gov.in> Corrigendum, if any, shall be given at above mentioned websites.

Pre bid meeting: 20/08/2018 AT 09.30 HRS at Symphony Conference hall, Bharat Bhavan - III, Ballard Estate Office of BPCL. One representative (authorized) having sound knowledge of the system / bid, carrying authority letter on letter head duly signed by the authorized signatory is allowed to participate in the per-bid meeting.

Submission:

Vendors are required to submit bid only through online mode on or before the due date of closing of the tender. No manual bids/offers along with electronic bids/offers shall be permitted.

The DDs for EMD, Tender Fee, proof for exemption (if applicable) with covering letter on the original letterhead of the vendor, signed, and stamped by authorized person to

be put in a sealed envelope marked "Tender for VTS" and should be dropped only in the Tender BOX available at the following office of BPCL (these documents shall not be accepted by courier / post / or in person.).

BHARAT PETROLEUM CORPORATION LTD,
BHARAT BHAVAN – II,
LPG DEPARTMENT
5TH FLOOR,
BALLARD ESTATE,
MUMBAI - 400 001

For any clarification kindly contact the person mentioned below:

DGM Logistics LPG HQ
BHARAT PETROLEUM CORPORATION LTD,
BHARAT BHAVAN – II,
LPG DEPARTMENT
5TH FLOOR,
BALLARD ESTATE,
MUMBAI - 400 001
022-22714519

2. GENERAL INSTRUCTIONS TO VENDORS FOR E-TENDERING

1. Tender document with detailed terms and conditions is available on our website <https://bpacleproc.in>. Interested parties may download the same and participate in the tender as per the instructions given therein, on or before the due date of the tender. The tender shall have to be submitted online through the e-procurement system on <https://bpacleproc.in>.
2. As a pre-requisite for participation in the tender, vendors are required to obtain a valid Digital Certificate of **Class IIB or Class III** and above as per Indian IT Act from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCIA), Controller of Certifying Authorities (CCA). **The cost of obtaining the digital certificate shall be borne by the vendor.**

In case any vendor so desires, he may contact our e-procurement service provider M/s. EPROCUREMENT TECHNOLOGY LIMITED, Mumbai (Mr. Harshal Sapkale, Contact no. 022-24176419, M. 06351896636 or Mr. Aditya Dave Contact no. 06351896637) for obtaining the digital signature certificate.

3. Corrigendum/amendment, if any, shall be notified on the site <https://bpacleproc.in>. In case any corrigendum/amendment is issued after the submission of the bid, then such vendors who have submitted their bids, shall be intimated about the corrigendum/amendment by a system-generated email. It shall be assumed that the information contained therein has been taken into account by the vendor. They have the choice of making changes in their bid before the due date and time.
4. Vendors are required to complete the following process online on or before the due date of closing of the tender:
 - i Tender documents to be down loaded in full and the same has to be uploaded in bid common form while submitting the tender online. (Do not send any hard copy of the tender document)
 - ii Notify the deviations if any, the specifications/purchase conditions in the forms provided for this purpose.
5. Price bid of only those vendors shall be opened whose Techno-Commercial bid is found to be acceptable to us. The schedule for opening the price bid shall be advised separately.
6. Directions for submitting online offers, electronically, against e-procurement tenders directly through internet:
 - (i) Vendors are advised to log on to the website (<https://bpacleproc.in>) and arrange to register themselves at the earliest.
 - (ii) The system time (IST) that will be displayed on e-Procurement web page shall be the time considered for determining the expiry of due date and time of the tender and no other time shall be taken into cognizance.
 - (iii) Vendors are advised in their own interest to ensure that their bids are submitted in e-Procurement system **well before the closing date and time** of bid. If the vendor intends to change/revise the bid already entered, he may do so any number of times till the due date and time of submission deadline. However, no bid can be modified after the deadline for submission of bids.

- (iv) Once the entire process of submission of online bid is complete, the vendors are required to go to option own bid view through dashboard and take the print of the envelope receipt as a proof of submitted bid.
 - (v) Bids / Offers shall not be permitted in e-procurement system after the due date / time of tender. Hence, no bid can be submitted after the due date and time of submission has elapsed.
 - (vi) No manual bids/offers along with electronic bids/offers shall be permitted.
7. Once the price bids are opened, vendors can see the rates quoted by all the participating bidders by logging on to the portal under their user ID and password and clicking on Other Bids view.
8. No responsibility will be taken by BPCL and/or the e-procurement service provider for any delay due to connectivity and availability of website. They shall not have any liability to vendors for any interruption or delay in access to the site irrespective of the cause. It is advisable that vendors who are not well conversant with e-tendering procedures, start filling up the tenders much before the due date /time so that there is sufficient time available with him/her to acquaint with all the steps and seek help if they so require. Even for those who are conversant with this type of e-tendering, it is suggested to complete all the activities ahead of time. It should be noted that the individual bid becomes viewable only after the opening of the bid on/after the due date and time. Please be reassured that your bid will be viewable only to you and nobody else till the due date/ time of the tender opening. The non-availability of viewing before due date and time is true for e-tendering service provider as well as BPCL officials.

BPCL and/or the e-procurement service provider shall not be responsible for any direct or indirect loss or damages and or consequential damages, arising out of the bidding process including but not limited to systems problems, inability to use the system, loss of electronic information etc.

In case of any clarification pertaining to e-procurement process, the vendor may contact the following agencies / personnel:

- For system related issues :
Help Desk of M/s. EPROCUREMENT TECHNOLOGY LIMITED, Mumbai (Mr. Harshal Sapkale, Contact no. 022-24176419, M. 06351896636 or Mr. Aditya Dave Contact no. 06351896637) (Help Desk is available between 10.00 to 19.30 Hrs; Monday to Friday) followed with a e-mail to Mumbai.support@eptl.in & aditya@eptl.in .
- For tender related issues :
DGM Logistics LPG HQ of M/s. BPCL at contact no. +91-22-22714519 / 7506100135 (between 10.00 to 17.30 Hrs; Monday to Friday) followed with a e-mail to ID padhis @bharatpetroleum.in with Standard Subject Tag as "Tender for VTS".

2.A. Information / Documents required along with Application :

- 1) Title, Style & Postal address of the firm
- 2) Communication particulars including telephone numbers, fax & e-mail address.
- 3) Following documents to be submitted for the last 3 financial years ending with March 2018 as

proof of meeting pre-qualification criteria.

- a) Notarized copies of audited Annual Reports
- b) Notarized copies of Balance sheet & Profit & Loss Account

4) Following documents are required to be submitted as proof of meeting pre-qualification criteria,

- a) Notarized copy of original Purchase / Work Order/Award Letter along with their completion certificate /proof of delivery. The purchase / work order and completion certificate /proof of delivery should mention the details of supplies carried out by the applicant so as to enable us to identify whether the applicant meets the technical criteria stipulated above or not.
- b) A letter by the owner/client (for whom the job has been executed) specifically stating that the system is working satisfactorily for at least one year.

5) Following documents are required to be submitted as proof of meeting pre-qualification criteria,

- a) Notarized copy of OSP Licence
- b) Details of Service Centre

The applicant shall be in a position to produce the original documents towards copies submitted in respect of Financial & Technical, as & when required and asked to produce during the process of evaluation.

Pl note that as a part of pre-qualification requirement all the documents as mentioned above vide 3(a) , 3(b) , 4(a) , 4 (b) , 5(a) & 5 (b) needs to be submitted . Tender submitted without any of these documents, will be liable for rejection.

2.B. OTHER INFORMATION / DOCUMENTS REQUIRED ALONG WITH APPLICATION

1. Parties who are affiliates of one another can decide which Affiliate will make a bid. Only one affiliate may submit a bid. Two or more affiliates are not permitted to make separate bids directly or indirectly. If 2 or more affiliates submit a bid, then any one or all of them are liable for disqualification. However upto 3 affiliates may make a joint bid as a consortium, and in which case the conditions applicable to a consortium shall apply to them. "Affiliate" of a Party shall mean any company or legal entity which:
 - a) controls either directly or indirectly a Party, or
 - b) which is controlled directly or indirectly by a Party; or
 - c) is directly or indirectly controlled by a company, legal entity or
 - d) Partnership which directly or indirectly controls a Party.

"Control" means actual control or ownership of at least a 50% voting or other controlling interest that gives the power to direct, or cause the direction of, the management and material business decisions of the controlled entity.

2. Bids may be submitted by:
 - a) a single person/ entity (called sole bidder);
 - b) a newly formed incorporated joint venture (JV) which has not completed 3 financial years from the date of commencement of business;
 - c) an Indian arm of a foreign company.
3. Fulfilment of Eligibility criteria and certain additional conditions in respect of each of the above 3 types of bidders is stated below, respectively:

- a) The sole bidder (including an incorporated JV which has completed 3 financial years after date of commencement of business) shall fulfil each eligibility criteria.
- b) In case the bidder is a newly formed and incorporated joint venture and which has not completed three financial years from the date of commencement of business, then either the said JV shall fulfil each eligibility criteria or any one constituent member/ promoter of such a JV shall fulfil each eligibility criteria. If the bid is received with the proposal that one constituent member/ promoter fulfils each eligibility criteria, then this member/promoter shall be clearly identified and he/it shall assume all obligations under the contract and provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the member/ promoter to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the JV to ensure completion of the contract when awarded, an undertaking not to withdraw from the JV till completion of the work, etc.
- c) In case the bidder is an Indian arm (subsidiary, authorized agent, branch office or affiliate) of a foreign bidder, then the foreign bidder shall have to fulfill both Financial & Technical eligibility criteria. If such foreign company desires that the contract be entered into with the Indian arm, then a proper back to back continuing (parent company) guarantee shall be provided by the foreign company clearly stating that in case of any failure of any supply or performance of the equipment, machinery, material or plant or completion of the work in all respects and as per the warranties/ guarantees that may have been given, then the foreign company shall assume all obligations under the contract. Towards this purpose, it shall provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the foreign company to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the Indian arm or to render the same themselves so as to ensure completion of the contract when awarded, an undertaking not to withdraw from the contract till completion of the work, etc.

3. PRE QUALIFICATION CRITERIA (PQC) FOR SUPPLY AND INSTALLATION OF GPS BASED VEHICLE TRACKING SYSTEM (VTS)

Bidders shall meet all the Criteria given hereunder in Clauses 1.0 , 2.0 &3.0

1.0 Financial :

Average Annual Financial Turnover, as per audited Balance sheet and Profit & Loss accounts, in the last 3 financial years ending March 31st, 2018, should be at least **Rs 5.00 crores**. For the vendors following financial year closing at the end of June or September or December, the last three financial years ending with the respective quarters of 2017 calendar year will be considered. Net worth should be positive as on 31st March 2018 or as on last date of latest audited balance sheet.

2.0 Technical :

Applicants shall have experience of having successfully carried out and completed Supply and operation of GPS/GPRS based Vehicle tracking system for commercial goods transportation in India for minimum period of 2(two) years continuously in the last 5 years ending last day of the month, i.e 31/03/2018, should have all the followings:

- a) Bidder should have experience of having successfully operated similar contracts* for minimum of 2 (two) years continuously in the last 5 (five) years prior to the date of release of this NIT.
- b) Bidder should have at least 3000 units installed successfully with at least 1000 units executed contract in a single order in India in last 5 years ending March 2018.
- c) Bidder should have the web application, database management system and related web services hosted on a reliable Internet Infrastructure in India. Bidder should also provide evidence /Location details, to confirm availability of disaster recovery site of the complete system at another geographical location in India.

*Similar contract- means a contract involving supply, installation, route mapping, integration, testing and commissioning of GPS/GPRS vehicle tracking solution in any Oil and Gas Company or any other sector in India for goods transportation operating and having Pan India presence .

3.0 Other Eligibility Criteria :

- a) Bidders should be registered as "Other Service Provider" with Department of Telecommunications (DoT), Government of India.
- b) Vendor should have at least one Service Centre in India.

4. FEATURES OF VEHICLE TRACKING SYSTEM (VTS)

The scope of the job is to provide end to end Vehicle Tracking solution for our LPG Bulk trucks carrying LPG from various source locations to Bottling Plants.

Job includes the supply / installation / maintenance of VTS devices, integration of Google maps with VTS application, procurement & management of SIMs, arrangement with cellular network service provider to display the position of the truck, management of exception reports and other customized reports, liasoning with the location in charges, web hosting, supply / maintenance of required software, Mobile app for Transporters as well as Drivers etc. VTS vendor will have to provide Google maps as part of the solution. BPCL will only provide addresses of Supply location, destination locations, vendor has to map Geo area for each loading/unloading location including separate mapping of licensed area and de-licensed area boundary as well as geo fencing of 300 Mtr. RTKM verification of all routes. Various customize reports about vehicle reporting & delay, tracking & non-tracking, faulty VTS, etc. Battery status must be displayed in %, Device should send feed every 1 minute while vehicle is ON and every 30 min while vehicle is Off. Battery should last for minimum 72 hours if the lorry is off. Report for Lorries operating on batteries since last 24, 48 & 72 hours. Report for VTS operating on Battery while lorry is running, Panic Button provision for emergency, Route finalization and RTKM verification. After finalization of routes, lorry distance calculation must be through motorable route distance not the Ariel distance. Route Report with % of lorries followed different routes on google map. Device/cable Tampering report, Sleep mode feature if device is in licenced area and master switch is off. Mobile app for Drivers, transporters and company officials with provision of notification of various status updates to track Lorries status.

Vendor to provide undertaking that "the vendor has all necessary permission in the map licence to use it for BPCL as per subject Tender document & BPCL shall not be held responsible for any legal disputes in future for use of the map.

4.A. The Vehicle Tracking System (VTS) should meet the following requirements :

1. The system comprising of Vehicle Mounted Unit (VMU) which includes GPS Antenna, GSM Modem, Microprocessor, internal battery with 72 hrs backup, Voice box.
2. On-board Voice announcement in minimum 2 languages (English and Hindi) for the following safety alerts:
 - a) Entering pre-defined accident prone zones
 - b) Over speeding (> 55 kms.)
 - c) Sudden & Harsh Acceleration
 - d) Harsh Braking
 - e) Harsh maneuvering
 - f) Continuous driving (without break of 40 mts. after 4 hours of continuous driving)
3. Supply and maintenance of licensed software (provided by the Vendor) and Web hosting at Vendor premises for supporting VTS application for approx. 5500 trucks . Minimum 90 days data log on the server to be maintained for query & reporting. The quantity of 5500 trucks may go up during the tenure of the Contract as per BPCL's requirement based on increase in demand of LPG
4. Tracking and tracing of a vehicle (truck) on Real Time basis.
5. The location information of the vehicle to be obtained using Global Positioning System (GPS) with high accuracy.
6. The system should be able to work on a GPRS network, with option to fall back upon SMS messages wherever GPRS is not available. Configurable option for selecting SMS or GPRS should be available on the VMU or software.
7. Location of a vehicle to be displayed on a Digitized GIS Map of Google's licenses for 5500 vehicles of BPCL.
8. Animated icons in different colors to represent vehicles. Loaded vehicles in motion to be shown in

- „Green“ and all the others in „Red“.
9. Display vehicle registration no. and other details like consignee, invoice no., date, qty, speed etc on click of mouse over the vehicle icon.
 10. The system should facilitate sending and receiving messages to the Vehicle Mounted Unit for Health check of the devices.
 11. SIMs procured for the above VTS Project by the vendor should be capable of performing in typical operating conditions including temperature variations and should be voice barred.
 12. Vendor has the option to select Pan India service provider for GPS/GSM network region/city wise.
 13. Adequate security measures should be built into the database / application to prevent unauthorized access and data tampering.
 14. Adequate Security measures should be built in to prevent device/its connection tempering.
 15. User should have the facility to retrieve vehicle location data by sending query on GPRS/SMS and receiving the location information in response within 60 sec (max) at peak load of 5500 Trucks and 300 users logged into the system i.e. Query based location information. Vendor to bear cost for SMS sent from device in case of no GPRS connectivity.
 16. Mobile application (Transporter/Driver & Officer) should be given to show vehicle live movements along with details of fwd/ return trip, source & destination details, various reports and notifications and appropriate Security of data should be provided as part of solution.
 17. The GIS layer of the application shall have Digitized Road maps covering the entire delivery area pertaining to each Plant of BPCL including complete boundary of bottling plant with bifurcation of Licensed and delicensed area and other prominent landmarks plotted. Google maps shall be provided by Vendor.
 18. The application should have provision to generate exception reports / alert in the following logical events
 - Truck deviation beyond 50 meters from the planned route
 - Stoppage beyond a stipulated time period
 - In the event of simultaneous occurrence of both (a) and (b) above
 - Trip time exceeding standard Trip Time which will be given by BPCL
 - Over speeding
 - TTs waiting at plant or loading location since more than 4 hours.
 - REPORTs – empty /filled TTs in plant, TTs about to reach in next 1,2 & 3 days...
 - Status report of filled and Empty TTs at various distances to be broadcast on daily basis with in transit quantity for filled TTs.
 19. Application should geo-fence dispatch and receiving locations and should log events of truck entry and exit to these locations.
 20. Geo area of Plants & Supply location to be done by fencing boundary of plant covering licensed and de-licensed area and geo fencing radius of 300 metres.
 21. Geo fencing of the routes to be done with a radius of 50 metres from the centre of the road on either side.
 22. BPCL will provide address of Origin and destination points. Vendor to plot shortest feasible routes in Google map and get it certified by respective Regional Managers during device installation phase. Post installation of GPS devices (within 1 months from start of installation) vendor shall present their findings on actual routes taken by majority of Bulk Lorries against the route plotted in Google and respective Regional Manager will give final approved route for monitoring route deviation and other RTKM related reports for the rest period of contract.
 23. Vendor shall provide available vehicle report & web based screen display (Bulk Lorries available for loading within 5 KM of loading location) based on current GPS location of all vehicles excluding lorries already allotted with trips. This report should be downloadable in excel / pdf by respective loading location users.
 24. The Geo fenced route is to be shown in „Green“ trace. The movement of the vehicle from supply locations to Plants is to be shown in „Red“ trace while the movement of the vehicle returning empty from Plants back to the supply locations is to be shown in „Blue“ trace.
 25. The Vehicle Tracking system should be capable of interfacing to BPCL's ERP and any other application in future for the following data.
 - a) Transfer of vehicle master data and license data both on creation and on change from BPCL .
The data exchanged include:
Vehicle details: Veh no./ Engine ID/ chassis ID/Base Plant/Vendor code/Veh status/ vehicle capacity

License Details: Veh no./ License Type/ License no./ Valid from / Valid to
Vendor Details : Vendor code/vendor Name

- b) Transfer of invoice details on creation of invoice (Veh no./ Inv. No./ Plant/ Ship to party/Material/Quantity)

In both the above cases the transfer is done through Web Service in XML files to be provided by the vendor.

26. The system shall be able to provide web access to the owners / authorized representatives of transporter / Distributors trucks to monitor the relevant truck and trip data and generate reports.
 27. The system shall provide log of administrative actions (user creation / modification / deletion) and log of user logins / duration etc.
 28. The software / database design shall be scalable and will support existing and newly added vehicles as and when required.
 29. User (administrator) interface to add, modify, delete vehicles and locations and their details in the database. Application should be able to provide role based menu for different users.
 30. System generated Exception Reports for deviation in Route & any other events as mentioned in point no 18) to be sent to the Regional in-charges on a daily basis thru" e-mail. System should be able to provide MIS on trip times to each destination like minimum, maximum and average trip times.
 31. System to generate a report of Lorries with activated VMU at the loading location to cross check with the list before planning of loads for the particular day by the respective location in charge.
 32. Vendor should have disaster recovery site of the complete system at another geographical location.
 33. The bidders should have ARAI (Automobile Research Association of India) certification / any other Govt Lab for the hardware for Electro Magnetic Interference (EMI) / Electro Magnetic Compliance (EMC) .Proof to be submitted
 34. The Bidders should have approval/no objection from PESO for the hardware that it is to be installed on the Trucks plying in the hazardous areas. Copy to be attached.
 35. System should auto generate monthly uptime percentage of devices as per our requirement (as per SLA for uptime given in the annexure). It should be inter active to facilitate necessary comments by the Location incharge / Officer on daily basis.
 36. **The Vehicle Tracking System shall provide the followings :**
 - a. Alarm / Alert on based on pre-defined conditions
 - b. Health check functions of the VMU
 - c. Velocity and direction monitoring
 - d. Graphically display the vehicle position on a digitized map with different levels of zoom.
 - e. Fleet Management Master Database shall contain the following fields :
 - Vehicle Reg.No.
 - Engine ID
 - chassis ID
 - Vendor code
 - Capacity (MT)
 - Base Plant
 - Vehicle Status
- Note : Final list of fields to be maintained in database will be finalized with the Successful vendor
- f. Performance Monitoring Reports of trucks on the following parameters(available for past three months)
 - o 1 No. of Trips
 - o Distance Covered (KM)
 - o No. of Work days etc.
 - o Average distance (KM) per trip
 - o Average Trip Time
 - o Total Distance Travelled
 - o Total No. of Trips
 - o Route Report
 - o Speed Violation
 - o Route Violation
 - o Provision for Selection of truck without going thru lot.
 - o Uptime of the devices – day wise/month wise/location wise

- g. SMS Alerts for Route Deviation / Unauthorized stoppage/night driving in restricted area/tampering of machine/wire cut for Voice box/Disabling of Voice Box.
- h. Auto generated letters for exception alerts
- i. Following data will be picked up from BPCL ERP system & incorporated in the VTS application
 - Destination
 - Quantity
 - Date
 - Time
 - Invoice No
- j. RTKM verification of all routes on quarterly basis based on the no. consignments on all scheduled routes.
- k. Various customize reports about vehicle reporting & delay, tracking & non-tracking, faulty VTS, etc.
- l. Device should send feed every 1 minute while vehicle is ON and every 30 min while vehicle is Off.
- m. Device battery status must be displayed in %, Battery should last for minimum 72 hours if the lorry is off. Report for Lorries operating on batteries since last 24, 48 & 72 hours. Report for VTS operating on Battery while lorry is running.
- n. Panic Button provision for emergency
- o. For intransit lorries distance calculation from loading/unloading location must be through motorable route distance not the Aerial distance.
- p. Route Report with % of lorries followed different routes on google map.
- q. Device/cable Tampering report.
- r. Sleep mode feature if device is in licensed area and master switch is off.
- s. Mobile app for Drivers, transporters and company officials with provision of notification of various status updates to track Lorries status.

37. Extension of live VTS feeds to BPC/Third Party software as per BPCL advice.

4.B. Vehicle Mounted Unit (VMU):

1. Suitable to be fitted into the driver's cabin particularly dashboard of the vehicle.
 - a. Must be a rugged enclosure suitable to Indian conditions. The VMU box shall be enclosed in a tamper proof like cover, water and dust resistant, conforming to IP67 or better. Tamper proof uncommon screws to be provided on the outer casing of the devices..
2. Should operate from the 12V / 24V battery of the Vehicle. Additional internal battery back -up is required using rechargeable batteries and capable of providing back up of minimum 72 hrs. Change over from vehicle battery to internal battery in case of disconnection from main battery and vice versa should be smooth without re-booting of VMU.
3. Should facilitate GPRS data communication (e.g. every 1 minutes configurable) between VMU and web server. In case of non-availability of GPRS connectivity, data transfer will be through SMS every 10 minutes (configurable).
4. The GPS and GSM / GPRS antenna modules should be inbuilt, tamper proof & protected in weather proof enclosures.
5. Over the Air Programmable Positional Data Acquisition and transfer rates shall be possible. Firmware upgrade will be done over Air.
6. Should be connected & integrated with On-board Voice Announcement Box for safety alert messages announcements.

7. Periodic health packets transmission from the devices.
8. Configurable Vehicle ID.
9. Automotive grade device installation for electrical wiring (fuses, right method of wire connections, gluing joint installations, etc)
10. Provision to store positional data in GSM Dark zones for future transmission once the vehicle enters a GSM coverage Area.
11. On the VMU, one switch shall be provided for sending a predefined SMS to predefined numbers for parameters or events on the Vehicle.
12. Message on Halt for Configurable Halt duration.
13. Start message on start of the vehicle.
14. Controller to be in power saving mode in Vehicle idling position (configurable time).
15. Alert to be given if the device is moved/tempered from its installed position or the cable is tampered in the Truck. Vendor may use any appropriate technology for the same.
16. On-board Voice announcements in the drive cabin, of pre-defined safety and other messages related to real time driving behavior, geo-fenced areas, etc.

4.C. Software Functional Requirement

1. Setting up the system

The following masters would be created

The following masters are defined in the system before using it:

- a) Master Details (HQ/Region/Supply locations/Plants/Transporters)
Premise of location to be covered including licenced and delicensed are under location Master.
- b) Vehicle Details along with Insurance/Explosive licence details
- c) Device assignment to the vehicle
- d) Device configuration (IP/Port/Data Upload Time)
- e) List of Users
- f) List of Roles
- g) Rights for the Roles
- h) Users assigned to the Roles
- i) SMS Configuration
- j) Products details

2. Validating & Maintaining a Route

The system should be interfaced with our application for integrating the geo fenced routes. The system would have a report in which the user can view each of the routes created and stored in the system. This would be shown on the corresponding map. Waypoints can be added/deleted only by the authorized user. System should have provisions for adding / deletion of way points. The actual route taken by the TT would be stored in the application which can be used for determining the geo fenced route in case if the same is already not available.

3. Start of a trip

The Start of the Trip is considered when the vehicle leaves the Supply Location after trip is defined. The Trip start shall be considered as the Time when the Vehicle leaves the location Geo Code with product loaded. There will be two geo codes of the location. One with 50 mtr radius of entry/exit gate, other covering the parking lot.

4. End of a trip

The Trip is considered to end when the vehicle enters the Destination Plant Geo code .

5. Geo fencing

If the vehicle on a predefined trip along a route as defined above violates the route at any point by more than 50 meters, an SMS alert would be sent by the system. When the vehicle returns back to the authorized route, the system would again send an SMS that it is back on the route.

6. Monitoring a Trip

During monitoring a trip, following would be available

- Live Tracking on a map

- List of instant SMS given below
- List of alerts generated and available as a report

List of indicative Alert

| Event | Recipients Type | Maximum no of recipient |
|---|--|-------------------------|
| Route deviation and Return to route | 1) Transporter/ Manager | 3 Per event |
| Unauthorised Stoppage | 1) Transporter/ Manager | 3 Per event |
| Night Driving | 1) Transporter/Manager | 2 Per event |
| SOS (Predefined message) alert from VMU | 1) Transporter/Manager 2) BPCL official | 3 Per event |
| Trip Start & End | 1) Transporter/Manager | 3 per event |

The above alerts can also be viewed in reports

List of alerts generated and saved as a report

- Alert when Main supply is disconnected
- Alert when Driver presses panic button
- Vehicle Over speeding
- Alert when lorry is running and device switches to Battery mode.

7. Reports

These following reports are to be generated from system;

Vehicle Tracking

- Live Tracking on map
- This report should display all the vehicles with their current movement status. Including Empty and filled in-transit and waiting at locations.
- The zoom feature should be available up to 10 levels. The original path along with its geo-fence and actual path to be displayed.

Replay Tracking

- Any old trip upto a maxm of 30 days, to be replayed in this report. Options to be available like Full Trace, fast, medium, slow, very slow etc. The original path along with its geo-fence and actual path taken by the vehicle will be displayed. Replay tracking window to also display Start time, End time, Max. Speed, Avg. Speed, Distance travelled, Total time.

Vehicle Movement

- Vehicle Current performance
- This report to display average speed, maximum speed, distance covered by the vehicle for a date range.
- Transit and Stop report
- This report to display the start time, stop time, status e.g. stopped or moving and location for the journey.
- Trip Summary
- This report gives the summary of the trips made by the vehicle in a date range displaying the start and end time, distance and the total time of the trip.
- Vehicle Trip Report

- This report gives the location of the vehicle on the map at the specified time given by the user. Can be used to locate the vehicle during any particular date/time
- No.of Trips
- This gives the total number of trips taken by the vehicle in the specified time
- Date wise vehicle Deviation reports
- Vehicle wise Deviation reports
- Event wise vehicle Deviation report

Vehicle

- Vehicle Details
- This is a listing of all the details entered in Vehicle Master in the system.
- Registration Details
- This is a listing of the Registration/Explosion clearance/Calibration details of the vehicle in the system.

Various other reports as mentioned above in point no. 4.a (The Vehicle Tracking System (VTS) should meet the following requirements)

Upon implementation BPCL may ask for additional reports over & above available in the software & listed here as part of requirements, if required vendor to develop additional reports to the satisfaction of BPCL without any extra costs. Number of additional reports to be developed will be limited to maximum 10 reports.

VTS application must have suitable provision to transfer live VTS feeds to BPC/Third party software as per BPCL advice.

8. System Interface

Interface with BPC SAP system

9. User Interfaces

9.1 Login

The software gives a GUI (Graphical User Interface) to ease the complexity of the software and thus allow easy understandable access to the user. This allows the user to enter the VMS website and get access to all the resources provided by the software. Here the BPCL authorized user enters the user name and password and on authentication based on his Login Type, the system allows the user to enter the software system.

9.2 Hierarchy of the System

- Administrator of Reg.Office can create logins for Supply location/Plant.
- Will be responsible for adding/updating/deleting master data related to Supply location/Plant
- Region administrator can also play role of administrator for above mentioned logins.

Supply Location/Plant

- User created by Region Admin will be administrator for Supply location/Plant logins for particular depot/terminals
- Can create/modify Users for the Supply location/Plant
- Can decide roles to the user created by him
- Can create logins for Customers/Transporter
- Will add vehicle data
- Will monitor trip under his roles

Transporter

- Will able to view Vehicle details registered under his name
- Can create/modify Users for the Transporter
- Can decide roles to the user created by him
- Will be able to track vehicle during journey

- Will be able to view reports
- Will be able to respond for queries regarding the position of Trucks on live basis over a mobile application

10. Menu

The user gets access to a simple menu, which gives him/her, an access to various modules and programs, provided by the software.

11. Report layouts

The user can generate reports various reports as well export them in Excel, Word or HTML format. These reports are parameterized

12. Tracking

This gives the user the live movement of the vehicle on maps. These maps show the exact location of the vehicle during its journey thus showing the route of the vehicle on the map.

13. SMS Alerts & Notifications on Mobile App

These alerts are generated during the live vehicle movement. These alerts give the information about the vehicle movement and the change in state of the vehicle thus keeping the user updated.

14. Operations

The software provides a facility for the user login and the access permission so that the user can be restricted to the limited resources or the master entry. The user can access only those details, which have been permitted by the administrator. He can Add, Update, Delete records from the table accordingly and can also view the vehicle movements through the system and get the current position of the vehicle or the status details etc

Live tracking of the movement of the vehicle would be displayed on a map along with a pre-defined route and Geo-fence around it. This works on the basis of GPS data being transmitted to the main server every 1 minute Via GPRS. If both GPRS and GSM are not available then the GPS data is stored within the device and then transmitted when GPRS connection becomes available.

The user can set the uploading frequency via GSM in the range of 1 min to 1 hour ie data would be sent at this frequency via SMS The sampling frequency will be 1/3 of uploading frequency.

15. Specific Requirements

15.1 Security:

Password-protected access roles such as database administrator, operator, engineer, manager etc would be provided. Each user role will have a different level of accessibility to the forms/reports of the software.

15.2 Reliability, Availability, maintainability:

The system should work 24 X 7 without any malfunctioning with 99.5% uptime.

16. Other Requirements:

Administration:

Privileges and access rights to other user is provided by the administrator. Role based menu to be provided for different users.

Required reports needs to be generated by Transporters also.

User Documentation:

The online user help file will be provided to the user. This help file will provide details about how to use the system, including the registration details.

Manage Services:

Customer Support executive (CSE) operating from BPCL LPG Mumbai office for 9:00 am to 5:30 pm, 5 days a week except Holidays. CSE will maintain all records of installation, non-reporting devices at each location level and provide MIS report (mutually agreed report and formats) to BPCL. CSE will co-ordinate with BPCL Regional office for all the VTS related MIS, Configuration, field team for installation and attending NRD vehicles

17. Default Page :

The following information should be available on the default page

- Total no of Trucks fitted with VTS
- Total no of Trucks visible on a project level State wise / Region wise on any given day
- Total no of Trucks available during past 1-10 minutes (configurable)
- Total no of Trucks loaded on any given day

17. Calculation of SLA :

- The uptime based calculation as mentioned in the tender should be auto generated by the system
- The application should have interactive mode for enabling the locations to select the reasons for non-visibility of Trucks on any given day.

5. GENERAL TERMS AND CONDITIONS :

- I. Notwithstanding the sub divisions of the tender document into several sections and volumes, every part of each shall be deemed to be supplementary of every other part and shall be read with and into the contract so far as it may be practicable to do so.
- II. Payment to the contractor through Electronic Clearing System (ECS) can be made, subject to agreement by representative banks of BPCL and Contractor as per the existing system.
- III. Tender documents are not transferable.
- IV It is mandatory for every Vendor to fill all the documents as set out in the tender document irrespective of their earlier association with BPCL.
- V The Vendor should quote his rates only in the prescribed form supplied by the Corporation.
Rate given in the tender schedule should be expressed both in figures and words, and where there is difference between the two, the rate given in words will be taken as authentic. Should there be any discrepancy between unit rate and amount the unit rates will be considered as the correct ones.
- VI The Vendors / Firms having common Director / Partners can be considered but vendors have to submit their quotation from any one of the Firm. The quotation of other firm, if submitted will be rejected.
- VII. When person signing the Tender/Agreement is not the sole proprietor or authorized representative of the Company the original Power of Attorney or a notary certified copy thereof authorizing such person to act and sign on behalf of the Company must be produced before signing the documents.
- VIII It shall be understood that every endeavor has been made to avoid error which can materially affect the basis of Tender and the successful Vendor shall take upon himself and provide for risk of any error which may subsequently be discovered and shall make no subsequent claim on account thereof. No advantage is to be taken either by the Corporation or the Vendor of any clerical error or mistake may occur in the general specification, schedules, and plans.
- IX Any terms and conditions attached printed / enclosed along with vendors offer will not be binding on BPC.
- X. BPCL reserve the rights to negotiate with the Vendor. The Vendor shall confirm the negotiations within stipulated time. If the Vendor fails to comply, BPCL reserve the right to reject the tender at their discretion.
- XI. Vendor is advised not to enclose unwanted and unasked documents with the tender. Any such documents if received shall not be considered.
- XII. Your tender may not be considered, if we are unable to evaluate your offer for want of any information.
- XIII Your quotation should be for contract services strictly in accordance with specifications mentioned in the tender.
- XIV. In case of unscheduled holiday on opening day of tender, the next working day will be treated as scheduled prescribed day of opening of tender. Time and venue will remain same.

Earnest money deposit (EMD)

- The Tenderer's are required to submit along with his quotation a Bank Draft in favour of Bharat Petroleum Corporation Ltd. for a sum of Rs. 5 Lac. as earnest money deposit. The EMD shall be returned to the unsuccessful vendors within one month after the due date of opening of the tender. The EMD of the successful vendor will be retained till the commencement of the work. Thereafter the vendor may opt to adjust the EMD against the security deposit or request return of the EMD. No interest will be payable on the EMD.
- Cheques or Call Deposits shall not be accepted towards payment of EMD.

- SSI Units registered with NSIC and MSME bidders are exempted from making EMD.

Security Deposit

- The successful tenderer, within 15 days from the issue of LOI, shall have to provide to the company by way of security, Bank Guarantee in the standard format provided by the company, for an amount equivalent to 5% of the total tendered value of the work. The successful tenderer shall have the option to adjust the EMD towards security deposit if he so desires. The validity of the bank guarantee must be for a period of 66 months from the date of LOI.
- The SD will be retained till the successful completion of the work. In the case of SD in the form of Bank Guarantee, the same shall be kept valid by the tenderer at his cost till the completion of the work under contract and shall be extended from time to time. No interest will be payable on SD.
- In case of any loss or damage, costs, charges and expenses suffered by BPCL, by reason such as non performance of the vendor or any breach of any terms and conditions of the contract by the vendor, BPCL will have right to invoke the said bank guarantee. The vendor shall pay to BPCL, any excess of expenditure incurred by BPCL. The decision of BPCL in this respect will be final and binding on the vendor. This decision is not liable to be questioned. It intentionally includes:
 - Defect liability that may arise during the defect liability period / warranty as mentioned in the contract.
 - Vendor's performance on the contract.
- If the time period for the completion of work is extended, the bank guarantee must be extended by the same period before the expiry of the original date.
- The vendor must rectify / replace any defect in services / materials, which may arise or lie undiscovered, at his own expense. If the vendor fails to do so, BPCL has the right to rectify the said defects by invoking the bank guarantee. The vendor shall pay to BPCL, any excess of expenditure incurred by BPCL. The decision of BPCL in this respect will be final and binding on the vendor. This decision is not liable to be questioned.
- All bank guarantees should be unconditional, without demur and can be invoked on presenting to the issuing bank.
- All bank guarantees should be submitted in the prescribed format, with necessary claim period to provide sufficient time to lodge a claim after the expiry of the bank guarantee.

Completion Time and effective date of start of contract for payment

Entire work should be completed within a period of 12 weeks from start date. Start date will be reckoned from the date of Letter of Intent (LOI). Entire VMS system should be stabilized within this 12 weeks time period. The contract period for the payment purpose would commence after satisfactory stabilization of the VMS system for a particular lorry and thereafter monthly payments due to the contractor will commence for a period of 5 years as per uptime percentage mentioned in Annexure 1.

Price Bid:

The bid shall be submitted in Indian Rupees (INR) as per the format given in Annexure VIII. Bids submitted in any other currency shall be summarily rejected.

Vendor should quote basic rate plus applicable taxes. The details of taxes should be shown separately in the quote and the invoice will be raised providing details of taxes separately.

Mobilization advance:

No Mobilisation advance will be given for the tendered work.

Penalty Clause

Compensation for delay in installation of VMUs or failure of the Unit to work satisfactorily (90 % of the total lorries in both the cases) within 16 weeks from the date of LOI due to any issues other than non-placement of lorries at the supply locations: 0.5 % (half percent) per week up to maximum of 5 % of the total order value. BPCL reserves the right to cancel the LOI in case of delay in that case the Bank guarantee shall be revoked by BPCL towards liquidated damages.

Contract document

The vendor, without prior permission of BPCL cannot disclose any information provided by BPCL to any third party, the vendors shall not disclose the tender or any provision, specification, prototype etc, to any person who is not involved in the performance of the contract.

Termination

Upon the occurrence of any of the following events ("Event of Default"), both the Parties shall have the rights as set forth in this Article:

- a. The occurrence of any of the following events : (A) the passing of a resolution by the shareholders of a Party for the winding up of Party; (B) the voluntary filing by any Party of a petition of bankruptcy, moratorium, or other similar relief; (C) the appointment of a provisional liquidator or administrator in a proceeding for the winding up of any Party after notice to Party and due hearing, which appointment has not been set aside or stayed within 90 days of such appointment; or (D) the making by a court with jurisdiction over any Party of an order winding up any Party that is not stayed or reversed by a court of competent authority within 60 days;
 - b. Any material statement, representation, or warranty by any Party in this Agreement proving to have been incorrect, when made and such incorrect statement, representation, or warranty having a material adverse effect on Party's ability to perform its obligations under this Agreement;
 - c. The dissolution or liquidation of a Party except for the purpose of a merger, consolidation or other solvent restructuring that does not affect the ability of the resulting entity to perform its obligations under this Agreement and such resulting entity expressly and effectively assumes the obligations of the Party under this Agreement to the reasonable satisfaction of the other Party.
 - d. Repudiation of this Agreement by a Party;
 - e. Failure to make any payment or payments required to be made to the other Party under this Agreement within fifteen days after the due date for such payment, which shall constitute a material breach;
 - f. Any material breach by a Party which is not remedied within 15 days of receiving written notice from other Party specifying the breach.
- Upon the occurrence of the events described above, unless such Event of Default has been remedied, either Party shall be entitled to terminate this Agreement by giving a notice of 30 days.
 - Substituted Performance. In the event that BPC issues a notice of termination based upon a default in performance or payment by Vendor, BPC shall have no objection to any Financing Party stepping in and discharging Vendor's outstanding obligations by payment or performance to cure such default.
 - Either Party may terminate this agreement by giving at least three months written notice to that effect without any reason.
 - Effect of Termination. Any termination of this Agreement under this Article shall be without prejudice to any rights and remedies of the non-defaulting Party arising hereunder with respect to a breach of this Agreement, including the right of the non-defaulting Party to be put in as good a position as it would have been had the

Agreement not been breached and terminated.

Force Majeure

In the event of either Party being rendered unable, wholly or in part, by Force Majeure, to carry out its obligations under this Agreement, other than buying Party's obligations to make any payment coming due hereunder, it is agreed that upon such Party giving notice and full particulars of such Force Majeure, in writing, to the other Party as soon as reasonably possible after the occurrence of the cause relied on and in any event within forty eight hours therefrom, the obligations of such Party giving such notice, so far as they are affected by such Force Majeure, shall be suspended during the continuance of any inability so caused but for no longer period, and such cause shall, as far as reasonably practicable, be remedied with all reasonable dispatch.

As used herein, the term "Force Majeure" means any event or circumstance or combination of events and circumstances that materially and adversely affect the performance of either Party of its obligations pursuant to the terms of this Agreement (including by preventing, hindering, or delaying such performance), but only if and to the extent that such events and circumstances are beyond the Affected Party's control and were not foreseeable. The term "Force Majeure" may include, among others, the following events and circumstances to the extent they satisfy the foregoing definition: acts of God, strikes, lockouts or other industrial disturbances, acts of public enemy, wars, blockades, insurrections, riots, epidemics, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints of government or people, explosions, breakdown of or accident to machinery, equipment or process units, and valid rules, regulations and orders of governments or governmental agencies.

It is understood and agreed that the settlement of strikes and lockouts shall be entirely within the discretion of the Party having the difficulty and that the above requirement that any Force Majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts by acceding to the demands of the opposing Party when such course is inadvisable in the discretion of the Party having the difficulty.

The Party giving notice of Force Majeure shall promptly give notice in the same manner as set forth above upon termination of such Force Majeure event.

Representations & Warranties

Existence and Authority. Each Party represents and warrants to the other that the execution, delivery, and performance by it of this Agreement are within its powers, have been duly authorized by all necessary action, and do not contravene its certificate or articles of incorporation or by-laws or any law or applicable requirement of any Government Agency.

Approvals: Each Party represents and warrants to the other that no authorization or approval or other action by, and no notice to or filing with, any Government Agency is required for the due execution, delivery, and performance of this Agreement or for the validity or enforceability thereof, except for those approvals and authorizations that have been obtained or that are required from time to time after the Effective Date and are customarily received in the ordinary course of business. Each Party further represents and warrants that it has no reason to believe that such authorizations or approvals will not be granted in the usual course prior to the date required by Applicable Law.

Binding Effect: Each Party represents and warrants to the other that it has full power and authority to execute, deliver, and perform its obligations under this Agreement and this Agreement constitutes the legal, valid, and binding obligation of that Party enforceable against it in accordance with its terms.

Indemnification

(a) CONTRACTOR. Except as expressly provided in this Agreement CONTRACTOR shall forgo all claims against BPC for and shall hold harmless and indemnify BPC against any and all liability in respect of any of the following insofar as caused by or arising in the course of performance or purported performance of this Agreement (whether or not involving the negligent act or omission of BPC, its directors or other officers, employees, agents, contractors, or sub-contractors) namely:

- any death or injury of any officer, employee, agent, contractor or sub- contractor of CONTRACTOR;
- any physical loss or damage (and any loss directly associated with or arising from such loss or damage); or

- any death or injury of any third Party or damage to the property of any third Party occurring on or as a result of an accident and CONTRACTOR shall hold harmless and indemnify BPC from and against any and all costs, damages or expenses whatsoever incurred by CONTRACTOR in respect of any claims, demands, proceedings or causes of action arising from such death, injury, loss or damage.
- (b) BPC. Except as expressly provided in this Agreement BPC shall forgo all claims against CONTRACTOR for and shall hold harmless and indemnify CONTRACTOR against any and all liability in respect of any of the following insofar as caused by or arising in the course of performance or purported performance of this Agreement (whether or not involving the negligent act or omission of CONTRACTOR, its directors or other officers, employees, agents, contractors or sub-contractors) namely:
- any death or injury of any officer, employee, agent, contractor or sub-contractor of BPC;
 - any death or injury of any third Party or damage to the property of any third Party occurring on or as a result of an accident involving any of BPC's facilities or any facilities of BPC's customers or facilities involved in the receipt, handling, transportation, or storage of the Products, and BPC shall hold harmless and indemnify CONTRACTOR from and against any and all costs, damages, or expenses whatsoever incurred by CONTRACTOR in respect of any claims, demands, proceedings or causes of action arising from such death, injury, loss or damage.

Assignment

- This Agreement shall ensure for the benefit of the Parties and their successors and permitted assigns. Neither Party may sell, transfer or assign its rights or duties under this Agreement or its interest in this Agreement to any other person except with the prior written approval of the other Party; provided, however, that either Party may, without the written approval of but with prior written Notice to the other Party, assign its rights under this Agreement to, and/or create a security interest in this Agreement in favor of, the Financing Parties and/or their nominees in connection with financing of the assigning Party's facilities, and such other Party shall provide acknowledgements of any such security, opinions of counsel, and other documents as the assigning Party may reasonably request or as may be required in connection with such security or assignment. Any assignment of this Agreement in violation of this Article shall be void. The term "Financing Parties" shall mean Indian financial institutions, Scheduled Banks in India, international banks and financial institutions, and, in the event of a capital markets offering, the nominees, trustees, and agents appointed to act on behalf of holders of such instruments offered by such assigning Party.

Confidentiality:

Each Party shall maintain in confidence in accordance with the standards of care and diligence that it utilizes in maintaining its own confidential information the terms of this Agreement and any information supplied or obtained by a Party pursuant to the terms hereof. Notwithstanding the preceding sentence, either Party may disclose information that would otherwise be confidential to the extent required by law in the opinion of legal counsel to the disclosing Party.

Severability:

The invalidity, illegality or unenforceability of any of the terms of this Agreement in any respect shall not affect or impair the validity, legality or enforceability of any other provision of this Agreement. The Parties shall make all reasonable endeavors to agree as far as possible that invalid terms shall be amended or replaced by valid terms with a similar effect in order to maintain the purpose and continuity of this Agreement and till the amendments are carried out, such invalid terms will be inoperative in relation to the rights and obligations of the Parties under this Agreement.

Change in Law:

The Parties undertake that, should the Government of India make any Change in Law and/or issue any directive in respect of any provision or matter included in this Agreement and applicable to oil industry generally, at any point of time, the Parties shall implement the same and amend the present Agreement accordingly or execute such supplementary agreements, as may be required to effect such changes.

No Waiver:

No delay or omission on the part of either Party in exercising any right, power or remedy provided by law or under this Agreement, nor any indulgence granted by any Party to any other Party, shall impair such right, power or remedy, or be constructed as a waiver thereof, nor shall the single or partial exercise of any right, power or remedy provided by law or under this Agreement preclude any other or further exercise thereof or the exercise of any other right, power or remedy.

Cumulative Rights:

Except as expressly provided herein, the rights, powers and remedies provided in this Agreement are cumulative and not exclusive of any rights, powers and remedies provided by law.

Entire Agreement:

This Agreement along with the documents referred to therein and other agreements, if any, entered into contemporaneously with this Agreement constitute the entire agreement of the Parties with respect to the subject matter of this Agreement. Each of the Parties hereby acknowledges that, in entering into this Agreement it has not relied on any representation or warranty save as set out expressly herein or in any document referred to herein.

Amendment; Waiver:

No variation of or amendment to any of the terms of this Agreement shall be effective unless it is in writing and signed by or on behalf of each of the Parties and no waiver of any terms hereof shall be effective unless it is in writing and signed by the Party against whom such waiver is sought to be enforced.

Relationship:

Nothing in this Agreement shall constitute or be deemed to constitute the relationship of principal and agent or of a partnership between the Parties and neither of them shall have any authority to bind the other in any way or for any purposes.

Counterparts:

This Agreement may be executed in counterparts simultaneously, each of which shall be an original, but all of which shall constitute a single instrument.

Interpretation:

Unless the context requires otherwise, in this Agreement:

- (a) The headings are for convenience only and shall be ignored in construing this Agreement;
- (b) The singular includes the plural and vice versa;
- (c) References to Articles, and Annexures are, unless the context otherwise requires, references to Articles, and Annexures to, this Agreement;

- (d) In carrying out its obligations and duties and exercising its rights under this Agreement, each Party shall have an implied obligation to act in good faith;
- (e) The word "including" means "including without limitation"; and
- (f) a day shall be a period of 24 hours commencing at 0400 hrs.; a week shall commence on each Sunday, a month shall be a calendar month; a quarter shall be a calendar quarter; and a year shall be a calendar year.

Arbitration Clause

Any dispute or difference whatsoever arising out of or in connection with this Agreement including any question regarding its existence, validity, construction, interpretation, application, meaning, scope, operation or effect of this contract or termination thereof shall be referred to and finally resolved through arbitration as per the procedure mentioned herein below :

- (a) The dispute or difference shall, in any event, be referred only to a Sole Arbitrator
- (b) The appointment and arbitration proceedings shall be conducted in accordance with SCOPE Forum of Arbitration Rules for the time being in force or as amended from time to time
- (c) The Seat of arbitration shall be at Mumbai.
- (d) The proceedings shall be conducted in English language
- (e) The cost of the proceedings shall be equally borne by the parties, unless otherwise directed by the Sole Arbitrator.

6. SPECIAL TERMS AND CONDITIONS:

Vendor to note that clauses mentioned in this Section shall prevail over similar clauses if any mentioned elsewhere in the tender documents.

1. Vendor has to provide end to end solution for our VTS application where Vendor will be responsible for maintaining uptime of the devices at the required level basis which the payments shall be released.
2. The responsibility of the Vendor shall include
 - Supply & installation of the devices on all the Trucks plying at various locations
 - Maintenance of the devices on regular basis. Repair/replacement of the same whenever required
 - Procurement and management of SIMs
 - Geo fencing of routes and marking of additional way points wherever required
 - Providing application software, customization and maintenance of the same
 - Web hosting at Vendor premises including Disaster Recovery (DR) site .Payment will effect only after submission of proof of Primary and Disaster site.
 - Data Management and Liaising with the location in charges for effective management of Exception reports
 - Providing technical literature / brochure of all the components of the proposed solution along with the Unpriced Bid
 - Training at locations / offices as required & as mentioned in the tender
3. Whenever power and space are available in BPCLs premises, the same shall be provided, otherwise, the vendor shall make his own arrangements for generator and space for working outside the Supply point/Plant.
4. Whenever space is available, BPCL may permit the vendor to store their material.
5. Vendor may procure SIMs from different network service providers for different locations at their own discretion. However SIMs are to be procured in the name of the vendor.
6. During the service contract period, vendor is required to take care of all the data management for monitoring the performance of the system. All reports shall also be generated and delivered electronically to designated persons by the vendor during the above period. Vendor shall provide 24*7 web support to users with a provision of web / email complaint logging and response as well as Toll free number for customer service complaints.
7. At the end of contract, VTS vendor will have to carry out a smooth take over of VMU from the lorries of the Transporters.
8. There would be no other charges payable. Therefore for proper functioning of VMU if any process or activities not mentioned above but would be required, will be considered as included by the vendor.

9. Creation of Log in IDs for all stake holders.

10. Duration of The Contract

The above contract shall be valid for a period of 5 years (60 months) from the date of installation of the VTS on tank trucks.

11. Special Payment Terms

Supply, installation, testing, commissioning and training of crew and location officers on the VTS installed on the Trucks with live tracking of Trucks on real time basis.

No upfront payments shall be made to the vendor.

The total cost of the end to end (composite) arrangement shall be apportioned over a period of 5 years (60 months).

Basis for full monthly payments shall be 90% uptime of the devices. System should be in a position to generate daily report on the uptime of the devices location wise. Monthly instalment will start from the subsequent month of installation after obtaining acknowledgement from Location in charge & Transporter for successful commissioning.

In case of replacement of Trucks by any Transporter, same device may be refitted in new Truck without terminating old contract, In such case original subscription will be deemed to be continuing.

Calculation for determining uptime of the devices is as per Annexure-I.

12. Administration of Payments

The monthly payments shall be recovered from the transporters payments and reimbursed to the vendor by BPCL within 30 days from the date of receipt of bills depending on the SLA based system generated uptime of the devices duly certified by Regional offices.

Vendors shall submit the bills to the concerned Regions for all the locations falling under the respective Regions based on the number of Trucks on which VTS had been installed and depending upon the uptime of the devices.

Vendor should quote basic rate plus a applicable Tax (if any) .The details of taxes should be shown separately in the quote and the invoice will be raised providing details of taxes (If any) separately.

13. Termination and Other Applicable Clauses : **Refer Annexure-II**

14. Manpower: The vendor should have at least 20 nos of qualified technicians on their payroll / on contract basis at the time of ding. Vendor to do installation job simultaneously at least in 20 locations. Vendor need to scale up the same if required.

15. Vendor should have at least one Service Centre in India.

16. Training: The successful vendor shall conduct minimum one day user training at each location after installation and commissioning. Administrator training at HQ / Regional Office shall also be conducted as per requirement. User manual shall be provided for each location. The vendor will have to get acknowledgement from concerned location for having completed the training along with installation.

17. Terms & Conditions related to Software / Hardware

a) Interfaces :

VTS application will have to interface other business applications at BPCL for sending / receiving data to / from other applications.

b) VTS vendor must customise VTS application or develop a middleware to exchange data between VTS and other BPCL applications.

c) VTS will have to interface with ERP, Location information system, IMS, OLA, e-mail gateway, SMS gateway etc. currently and many applications in future as may be required. VTS will receive various master data, geo-fence data, invoice data from BPCL systems and will provide Tank-truck location data, E-mail / SMS alerts, other exception alerts etc to BPCL systems. Above details are indicative and VTS application will have to be customized and interfaced to other applications based on business need.

d) Device flexibility – Data Formats / command sets

e) BPCL is looking for a device agnostic solution for collecting device data, remote management of devices and managing security / access of the devices.

18. Evaluation Procedure :

a) Technical Evaluation will be done only for bidders meeting PQC .

b) POC will be a part of technical evaluation & will be evaluated by a committee formed by BPCL

c) Price bid will be opened only for the Bidders who are meeting Technical Evaluation Criteria as per our BPCL's financial and technical evaluation parameters.

7. LIST OF DOCUMENTS TO BE ATTACHED

1. Successful completion/operation of similar contract for a continuous period of 2 years in last 5 years and client certificate.
2. Audited Balance Sheets & P&L for the last 3 years ending with March 2018 along with details of Directors/Partners of the Company or Firm.
3. Satisfactory performance letter from client.
4. Copies of the PO.s with Completion Certificate
5. Copy of the registration as "Other Service Provider" with Department of Telecommunications (DOT), Government of India
6. Details of Service Centre in India
7. Details of 20 nos technicians in the payroll of the vendor.
8. The bidders should have ARAI (Automobile Research Association of India) certification for the hardware for Electro Magnetic Interference (EMI) / Electro Magnetic Compliance (EMC). Proof to be submitted.
9. The Bidders should provide approval/ no objection from PESO for the hardware to be installed on the Trucks plying in the hazardous areas. Copy to be attached.
10. Certificate for IP 67 compliant enclosure from NABL or any Government approved laboratory for the VMU.
11. Addresses of different offices in India.
12. Integrity Pact duly signed, stamped and witnessed.

8. ANNEXURES

Annexure - I

MONTHLY UPTIME OF DEVICES :

1. Definition : The uptime is defined as availability of "time, location, speed, ignition status, movement status, " data.
2. Payment shall be released as per the below slab system

| Uptime of devices | Payment |
|--------------------------|----------------|
| >90% | 100% |
| >85 <=90% | 80% |
| <=85% | NIL |

For calculation, above will be rounded off to two digits after decimal point.

3. Uptime of devices shall be calculated is given by the formula "X/Y"

'X' is the actual number of monthly prompts of the device as defined at clause no. 5 below

'Y' is the total number of prompts of the device which should be generated throughout the month as defined in at clause no.5 below

Following Data is considered for calculating the uptime :

Data sampling & uptime will be done at 1 minute interval .Data refreshment is done automatically at 1 minute interval.

Sleep mode is activated after nil movement for minimum 30 minutes.

Health check of devices done at every 30 minutes interval during sleep mode.

4. The total number of prompts during a trip is calculated based on the number of prompts which should be ideally generated considering data updation at an interval of three minute. Since sleep mode is activated in the device after 30 minutes of idling, no prompts will be received if vehicle does not show any movement beyond that time ,except health packet . System will add number of prompt receivable during sleep time automatically to the Actual no of prompts received, while calculating uptime ratio.

- 5 Exclusions for calculation of 'X'
- (a) Damage of the device due to Transporter's fault (to be proved by the Vendor as per clause no 8 below) & Device missing / theft , will not be considered as vendor's liability and hence credit will be given to the vendor for the same.
 - (b) Other causes like vehicles meeting with accidents, Police cases, Suspension/Blacklisting, will not be considered as vendor's liability.
 - (c) Credit will be given to the vendor for any day the Truck is idling or not loaded, provided the system is in working condition that day.
- 6 Administration of finalizing the percentage visibility : System to have online module for certifying the cause of visibility loss. If a particular Truck is not visible (visibility of 10% or below will be considered as no visibility) in spite of being loaded on any given day , Location In Charge will be required to certify the following cause
- a. Accidents if any
 - b. Police case / seizure

Location In Charge also required to certify any suspension /blacklisting of Tank Trucks & advise regarding continuing with the subscription.

- 7 Implications of clause 5 & 6 above :

In case 6.(a) is chosen , the vendor will be given full credit for the day & further till the day Truck is again loaded / subscription is valid.

For 6.(b) : Vendor will be given full credit for the day & also till such time Truck is again loaded / subscription is valid.

For cases of suspension / Blacklisting of Truck , vendor will be given full credit till the time subscription is valid.

For cases of Device missing or damaged , vendor will not be given credit unless he conclusively proves the same within 7 working days. In this case onus will be on vendor to prove the same.

- 8 In case of damage / non working of device , the same needs to be rectified / replaced within 7 working days subject to the availability of the vehicles , failing which the credit for uptime of the devices shall not be passed on to the vendor.

- 9 Example

Trip time - 8 hours

Data updation interval - Three minute

Actual no of prompts received – 130

Total sleep time 60 minutes(1 hr) – No of prompts during sleep period(Health check)

=2 Visibility = $130 + (60/3) - 2 / (8) * 20 = 92.5\%$

Vendor shall be paid 100 % of his monthly installment.

Annexure – II

TERMINATION AND OTHER APPLICABLE CLAUSES :

1. Title, Property, Damages, Losses:

1.1. At all times, all the Devices shall remain the property of the vendor and no right, lien or encumbrance shall accrue to the benefit of Transporter or BPCL, from the Vendor making available the Devices to the Transporter. Transporter shall bear the risk of accidental loss, theft, and damage of any kind to the Devices, and to this extent take necessary insurance for the same. In the event a Device is lost, destroyed or damaged beyond repair, the old Subscription shall be deemed cancelled from the date of such loss, destruction or damage and BPCL shall be liable to pay the vendor a Device Fee for each Device lost, destroyed, stolen or damaged beyond repair (and BPCL may recover the same from Transporter)- The Device Fee shall be considered as 25% of the monthly Subscription Fees multiplied by the outstanding Subscription Term. If Transporter or BPCL require a new Device and a new Subscription to replace the lost/damaged/destroyed Device, then the vendor will provide a new Device and a new Subscription for the full Subscription Term, which shall commence upon installation of the replacement Device. If the Subscription is for a period of less than 60 months, due to transporter's late induction, then these devices shall become property of BPCL Transporter by paying Device fee (25 % of monthly subscription fees multiplied by outstanding Subscription terms)

2. Term and Termination.

2.1. This Agreement shall come into force on the date of execution mentioned hereinabove and unless earlier terminated shall remain in force for a period of 5 years. The Subscription Term for any Device shall be a maximum of 5 years, i.e from the date of its installation into a truck upto the end of the contact period with VTS vendor of 5 years. In most cases, the Subscription Term is envisaged to be a few months short of 5 years (i.e 5 years minus the time taken for installation of the device in the tank trucks). If any truck/trucks are inducted later on, then the Subscription Term for these trucks will be lesser than 5 years.

2.2. Each Party may terminate this Agreement:

2.2.1. In the event the other party materially breaches its obligations under this Agreement. If such breach is curable, the termination shall become effective if breaching party fails to cure such breach within thirty (30) days from the date the breaching party receives written notice of its breach from the non-breaching party; and if such breach is not curable, with immediate effect upon written notice. It is understood that it is considered a material breach of the Agreement entitling the vendor to terminate the Agreement, subject to

the preceding sentence and with the consequences set forth in Section 2.4 below if BPCL fails to make payments (except to the extent disputed) and the amount in arrears exceeds three months' aggregate Subscription Fees for all of BPCL's Subscriptions.

2.2.2. Immediately upon written notice by a party, in the event that any order of bankruptcy or like order is passed against the other party under any applicable bankruptcy or insolvency laws, or in the event that other party makes an assignment for the benefit of creditors, or in the event that a trustee or receiver is appointed to administer the business or assets of said other party; and

2.2.3. If BPCL terminates the arrangement/agreement as regards any one or more trucks without any reason (part termination simpliciter), it shall be liable to pay a Termination Fee as defined below:

a. In the event that the Device is not returned to the vendor, the Termination Fee shall be 50% of the monthly Subscription Fee payable (to be recovered from Transporters) for such Subscription, multiplied by the number of months remaining in the Subscription Term.

b. If the Device is returned to the vendor, no Termination fee shall be payable.

2.3. Termination for breach of Service Levels:

2.3.1. BPCL may terminate the Agreement forthwith and without any liability, if for any reason whatsoever the Uptime falls below the 75% threshold on a Project Level for any three (3) months within a six (6) months period.

2.3.2. BPCL may terminate any individual Subscription for a Device, if
(a) the uptime for the corresponding Device falls below 75% for any three (3) months within a twelve (12) month period, for any reason, other than for reasons attributable to Transporter or (b) the uptime for the corresponding device falls below 50 % for any two consecutive months for any reasons other than the reasons attributable to the Transporters.

In case of any Termination for breach of any Service Level, then BPCL shall not be liable to pay any further Subscription Fees after such Termination.

2.4. Device Recovery.

If the Agreement is terminated or if an individual Subscription is terminated, BPCL will return all Devices to the vendor taking due care to not damage or destroy them. Alternatively, BPCL may make the vehicles with Devices available to the vendor for de-installation of the Devices. Such de-installation shall be free-of-charge in the case of termination by BPCL pursuant to any Clause. The Subscription Fee shall stop from the

date of termination, except for the liability to pay a percentage of the Subscription Fee for the balance unused term, as already specified in 2.2.3 above. This will not apply to cases where the devices become the property of BPCL/Transporters as above.

Service Level Agreement

Vendor shall provide the following to BPCL for the term of the Agreement:

1. Service and Device

1.1. A turnkey solution in a fully outsourced software as a service model to meet BPCL needs, including delivery of Devices, hardware and software service interface, reporting, wireless data, map support and pro active Customer support for using the Service during the entire contract period. The Service aims to provide visibility of the vehicles in which the Devices are fixed and to provide carrier productivity enhancement tools to the BPCL. Any software, hardware, operation, network or service component that is required for the development, implementation, operation and sustenance of the Service will be part of the scope of work.

1.2. Device: The Device integrates a GSM/GPRS modem, a GPS receiver, internal antennas, battery backup and an array of peripheral interfaces, in a robust IP67 outer casing package.

2. Service Level: The Services are provided to BPCL as well as to those transporters who have entered into a contract with BPCL to provide transportation services. BPCL and the vendor have agreed that upto 5500 Devices will be installed on the fleets of various transporters of BPCL. The Service Levels will be determined taking into consideration all Services provided under this Agreement and similar contracts with BPCL.

2.1. Vendor shall provide an Uptime (as defined in a Annexure1) of at least 75% for all Devices installed at BPCL. The monthly uptime to be provided for the devices is also set out in the said Annexure.

2.2. Uptime formula is based on one (1) data packet from the Device: Uptime calculation shall not include the following (and packets lost due to these events shall be added to the packets actually received):

- a. Engine off (vehicle idle time information will be available from the standard idle time reports),
- b. Vehicle in maintenance,
- c. Device Installation/De-installation as required by BPCL,
- d. Decommissioning of a vehicle,
- e. Message count losses due to Device theft from the vehicle or accident of the vehicle, and
- f. Damage caused by force of nature, external causes, or act of any third party.

2.3. Deviations of downtime calculation: Downtime due to device damage shall be counted

against the Uptime. However if the vendor can show that these downtime are attributed to Transporter, price adjustment according to Section 5.1 shall be suspended until a resolution has been reached between the parties.

- 2.4. Vendor shall provide a monthly report on Uptime computation based on definition in item 2.2 above, i.e. for all Devices installed. Furthermore and for information purposes, vendor will provide a report for all Devices installed for BPCL. Should a particular Transporter experience uptimes of 75% or less for a particular Truck, vendor shall deliver a detailed report within 7 business days detailing all causes. Any issues related to the performance of the Devices shall be rectified during the course of the month by the vendor.
- 2.5. The monthly uptime details will be made available electronically to BPCL. BPCL may audit or have audited Vendor's Uptime calculation, at their cost, within 90 days after the date Vendor submits the corresponding report.
- 2.6. The tracking history and reports will be available for 90 days (online) and further data will be archived for a period of one year.
3. Vendor will provide 24X7 Customer support through its fully functional Call Center. The support center provides a technical help desk, staffed by skilled bi-lingual (English & Hindi) technical support representatives. The helpdesk incorporates a call management system and a "known problems/solutions" database available online. Any call made by the Transporter, including reliability issues with reports and data, should be promptly resolved by the vendor without any unreasonable delay.
4. Vendor will provide training to the Transporter, for a period of one half day and within two weeks after the majority of the Devices for the Transporter have been installed. Vendor will also provide a User manual.
5. Pricing
 - 5.1. For each Subscription, BPCL shall pay to the vendor, the monthly Subscription Fee of Indian Rupees as finalized through Tender Process & as spelt out in Tender Terms & Conditions
 - 5.2. However in the first calendar month of the term of the Agreement, the Subscription Fees shall not be adjusted for failure to achieve the Uptime in order to give the vendor adequate time to stream-line the process of installations and resolutions.
6. Clarifications:
 - 6.1. Prospective bidders/ vendors are encouraged to seek clarifications before bidding/ tendering so that there is a proper understanding of the contract, the Services which are to be provided and is expected from the Vendor and in order to address any issues which are not covered adequately under the tender terms.
 - 6.2. A failure to properly understand the scope of work may entail substantial losses and risks to the prospective tenderers and they are advised to take particular note of the same.
7. Liabilities:

Neither party shall be to the other or to any third party for any consequential, punitive, indirect,

special or exemplary damages or losses, howsoever caused and whether under the principles of strict liability, equity or any other principle of law. The maximum liability of either party under this Contract under a claim for damages shall not exceed the total value of the Subscription Fees for six months for all Devices fixed and installed by the Vendor on the vehicles of BPCL or its transporters.

8. Modifications : If after placement of Purchase Order and /or during the course of contract , certain issues arise which were not contemplated by the parties (for resolution) then both parties shall mutually discuss the said issues in good faith with a view to resolve the same.

Annexure-III : Format for POC

POC for BPCL VTS Tender- Deliverables

| S.No. | Key Performance Indicators | Deliverables |
|--------------|---|--|
| | GENERAL | |
| 1 | Installation of unit | Within 7 days from the date of advice |
| 2 | Quality of installation | Minimum 2 units to be installed . Built in GPS / GSM antenna inside IP 67 Tamper proof casing, sealed wire connections, etc to be shown. |
| 3 | POC Trial Period | One week after installation |
| | HARDWARE | |
| 4 | Alert for removal of devices | One device to be removed after de installation , Alert to be generated in the system. |
| 5 | Storage / transmission of data in case of no GSM coverage areas | To be demonstrated by covering the device for 20 minutes and show all stored data in the device is transferred to the server |
| 6 | Auto latching of devices in case of S.No 4 | To be demonstrated |
| 7 | Alert for power disconnection | Both for switch over from main battery to back up battery as well as dry out of back up battery |
| 8 | Smooth switch over from main battery to back up battery without rebooting and vice versa | To be demonstrated |
| 9 | Over the air programmable | To be demonstrated for change in vehicle no, data updation interval, etc |
| | APPLICATION / SOFTWARE | |
| 10 | Data updation | Every 1-5 minutes interval (configurable), Vendor to show by remote configuring |
| 11 | Geo fenced routes | Vendor to integrate the routes developed by BPCL thru' Google Map application(BPCL will provide LAT-LONG for 2-3 locations) |
| 12 | Fleet Management module for Transporters i.e. Overspeed, Idle Halt, Distance travelled, etc | To be demonstrated |
| 13 | Alerts for Route deviation | By e-mail / SMS |
| 14 | Alerts for stoppages on deviated route | By e-mail / SMS |
| 15 | Alerts for simultaneous route deviation & stoppage | By e-mail / SMS |
| 16 | Real time trip status, trip route compliance & trip closure information | To be demonstrated |
| 17 | Health check up | Every 30 minutes during idling |
| 18 | Response time for application | For default page max 10 secs and subsequent pages max 5 secs |
| 19 | Auto refreshing of pages | At pre-defined intervals |
| 20 | Query based location information | As per query (SMS based) |

| | | |
|----|--|---|
| 21 | Replay tracking | For one week to be demonstrated |
| 22 | Colour coding of vehicles depending upon motion status | Moving and Stationary vehicles to be identified with different colours |
| 23 | Details to be available on clicking of vehicle icon | Vehicle registration no, date & consignee, speed, Etc |
| 24 | Deviation from Geo fenced route | Accuracy of minimum 50 metres deviation to be Demonstrated |
| 25 | Colour coding of vehicles depending upon trip status | Active trip (Loaded vehicles) & Non active trip (Empty vehicles) to be shown with different colours. |
| 26 | Interactive nature of the application | Provision for keying in comments by the user |
| 27 | Zooming of display of vehicles | Minimum 10 levels zooming to be demonstrated |
| 28 | On-board Voice announcement | <ul style="list-style-type: none"> a) Entering pre-defined accident prone zones b) Over Speeding (> 50 kms.) c) Sudden & Harsh Acceleration d) Harsh Braking e) Harsh maneuvering f) Continuous driving (without break of 40 mts. after 4 hours of continuous driving) g) Driving in Night driving restricted zones |

Annexure – IV

List Of LPG BULK Loading Locations (INDICATIVE)

| SR.NO. | SOURCE |
|--------|----------------|
| 1 | AURIYA |
| 2 | BARAUNI |
| 3 | BPCLREF |
| 4 | CPCL |
| 5 | ESSAR |
| 6 | GANDHAR(GAIL) |
| 7 | HAZIRA |
| 8 | HLD |
| 9 | HLD(IMP) |
| 10 | RIL - DTA |
| 11 | RIL - SEZ |
| 12 | KANDLA(IMP) |
| 13 | K R L |
| 14 | KOYALI |
| 15 | MATH |
| 16 | MRPL |
| 17 | MLIF (IMP) |
| 18 | N'GARH |
| 19 | TUTICORIN |
| 20 | URAN |
| 21 | VAGODIA |
| 22 | VIJAIPUR |
| 23 | VISAKH |
| 24 | VISAKH (IMP) |
| 25 | AGESIS(MUMBAI) |
| 26 | GCPTCL, DAHEJ |
| 27 | TOIPL |
| 28 | Piyala |
| 35 | Jaipur |
| 36 | Loni |
| 37 | Vijaywada |
| 38 | Cherlapally |
| 39 | Bhitoni |
| 40 | Khurda (HPC) |
| 41 | BORL |

Annexure V : List of Indicative Bulk Routes

NORTH REGION (INDICATIVE)

| Sl.No. | Location To | Location From Description | Location To Description | Approx. Dist. (KM) (*) |
|--------|-------------|------------------------------|-------------------------|------------------------|
| 1 | 3101 | Jamnagar DU | Lalru LPG Plant | 2810 |
| 2 | 3101 | Ajmer LPG Plant | Lalru LPG Plant | 1195 |
| 3 | 3101 | Piyala (Asaoti) LPG Plant | Lalru LPG Plant | 657 |
| 4 | 3101 | Loni LPG Plant | Lalru LPG Plant | 454 |
| 5 | 3103 | ESSAR OIL LTD JAMNAGAR | Hissar LPG Plant | 2510 |
| 6 | 3103 | Jamnagar DU | Hissar LPG Plant | 2475 |
| 7 | 3103 | RELIANCE PETROLEUM LTD | Hissar LPG Plant | 2475 |
| 8 | 3103 | RELIANCE INDUSTRIES LTD | Hissar LPG Plant | 2475 |
| 9 | 3103 | DAHEJ DESPATCH UNIT (LPG) | Hissar LPG Plant | 2312 |
| 10 | 3103 | KANDLA IMPORT TERMINAL (IOC) | Hissar LPG Plant | 2168 |
| 11 | 3103 | GAIL, BIJAIPUR | Hissar LPG Plant | 1520 |
| 12 | 3103 | GAIL, AURIYA | Hissar LPG Plant | 1086 |
| 13 | 3103 | Ajmer LPG Plant | Hissar LPG Plant | 872 |
| 14 | 3103 | Piyala (Asaoti) LPG Plant | Hissar LPG Plant | 508 |
| 15 | 3103 | Loni LPG Plant | Hissar LPG Plant | 406 |
| 16 | 3103 | IOC-Panipat LPG | Hissar LPG Plant | 296 |
| 17 | 3105 | ESSAR OIL LTD JAMNAGAR | Udaipur LPG Plant | 1286 |
| 18 | 3105 | Jamnagar DU | Udaipur LPG Plant | 1251 |
| 19 | 3105 | RELIANCE PETROLEUM LTD | Udaipur LPG Plant | 1251 |
| 20 | 3105 | RELIANCE INDUSTRIES LTD | Udaipur LPG Plant | 1251 |
| 21 | 3105 | GAIL, BIJAIPUR | Udaipur LPG Plant | 1162 |
| 22 | 3105 | ONGC, HAZIRA | Udaipur LPG Plant | 1118 |
| 23 | 3105 | KANDLA IMPORT TERMINAL (IOC) | Udaipur LPG Plant | 1112 |
| 24 | 3105 | GAIL , GANDHAR | Udaipur LPG Plant | 998 |
| 25 | 3105 | DAHEJ DESPATCH UNIT (LPG) | Udaipur LPG Plant | 958 |
| 26 | 3105 | GAIL, VAGODIA | Udaipur LPG Plant | 724 |
| 27 | 3105 | Ajmer LPG Plant | Udaipur LPG Plant | 564 |
| 28 | 3106 | GAIL , GANDHAR | Bikaner LPG Plant | 1974 |
| 29 | 3106 | Jamnagar DU | Bikaner LPG Plant | 1911 |
| 30 | 3106 | RELIANCE PETROLEUM LTD | Bikaner LPG Plant | 1911 |
| 31 | 3106 | RELIANCE INDUSTRIES LTD | Bikaner LPG Plant | 1911 |
| 32 | 3106 | ESSAR OIL LTD JAMNAGAR | Bikaner LPG Plant | 1896 |
| 33 | 3106 | DAHEJ DESPATCH UNIT (LPG) | Bikaner LPG Plant | 1862 |
| 34 | 3106 | GAIL, VAGODIA | Bikaner LPG Plant | 1744 |
| 35 | 3106 | KANDLA IMPORT TERMINAL (IOC) | Bikaner LPG Plant | 1722 |
| 36 | 3106 | Piyala (Asaoti) LPG Plant | Bikaner LPG Plant | 900 |
| 37 | 3106 | Ajmer LPG Plant | Bikaner LPG Plant | 688 |
| 38 | 3107 | GAIL, BIJAIPUR | Bareilly LPG Plant | 1276 |
| 39 | 3107 | GAIL, AURIYA | Bareilly LPG Plant | 611 |
| 40 | 3107 | Loni LPG Plant | Bareilly LPG Plant | 493 |
| 41 | 3107 | IOC-Mathura LPG | Bareilly LPG Plant | 484 |
| 42 | 3108 | Haldia LPG Plant | Lucknow LPG Plant | 2142 |

| | | | | |
|----|------|----------------------------|-------------------------|------|
| 43 | 3108 | GAIL, BIJAIPUR | Lucknow LPG Plant | 1141 |
| 44 | 3108 | Piyala (Asaoti) LPG Plant | Lucknow LPG Plant | 1091 |
| 45 | 3108 | BHARAT OMAN REFINERIES LTD | Lucknow LPG Plant | 1054 |
| 46 | 3108 | Loni LPG Plant | Lucknow LPG Plant | 1016 |
| 47 | 3108 | IOC-Mathura LPG | Lucknow LPG Plant | 853 |
| 48 | 3108 | GAIL, AURIYA | Lucknow LPG Plant | 447 |
| 49 | 3109 | Haldia LPG Plant | Sultanpur LPG Plant | 1750 |
| 50 | 3109 | GAIL, BIJAIPUR | Sultanpur LPG Plant | 1270 |
| 51 | 3109 | Piyala (Asaoti) LPG Plant | Sultanpur LPG Plant | 1227 |
| 52 | 3109 | Loni LPG Plant | Sultanpur LPG Plant | 1283 |
| 53 | 3109 | IOC-Mathura LPG | Sultanpur LPG Plant | 991 |
| 54 | 3109 | GAIL, AURIYA | Sultanpur LPG Plant | 574 |
| 55 | 3110 | Jamnagar DU | Salempur LPG Plant | 2399 |
| 56 | 3110 | RELIANCE PETROLEUM LTD | Salempur LPG Plant | 2399 |
| 57 | 3110 | RELIANCE INDUSTRIES LTD | Salempur LPG Plant | 2399 |
| 58 | 3110 | BHARAT OMAN REFINERIES LTD | Salempur LPG Plant | 1050 |
| 59 | 3110 | GAIL, BIJAIPUR | Salempur LPG Plant | 942 |
| 60 | 3110 | Loni LPG Plant | Salempur LPG Plant | 376 |
| 61 | 3110 | Piyala (Asaoti) LPG Plant | Salempur LPG Plant | 280 |
| 62 | 3110 | IOC-Mathura LPG | Salempur LPG Plant | 170 |
| 63 | 3110 | GAIL, AURIYA | Salempur LPG Plant | 472 |
| 64 | 3111 | GAIL, AURIYA | Roorkee LPG Plant | 988 |
| 65 | 3111 | Piyala (Asaoti) LPG Plant | Roorkee LPG Plant | 550 |
| 66 | 3111 | Loni LPG Plant | Roorkee LPG Plant | 304 |
| 67 | 3112 | Haldia LPG Plant | Allahabad LPG Plant | 1712 |
| 68 | 3112 | GAIL, BIJAIPUR | Allahabad LPG Plant | 1367 |
| 69 | 3112 | Loni LPG Plant | Allahabad LPG Plant | 1348 |
| 70 | 3112 | Piyala (Asaoti) LPG Plant | Allahabad LPG Plant | 1357 |
| 71 | 3112 | IOC-Mathura LPG | Allahabad LPG Plant | 1113 |
| 72 | 3112 | BINA DESP TERMINAL- LPG | Allahabad LPG Plant | 1280 |
| 73 | 3112 | BHARAT OMAN REFINERIES LTD | Allahabad LPG Plant | 1280 |
| 74 | 3112 | GAIL, AURIYA | Allahabad LPG Plant | 704 |
| 75 | 3113 | Piyala (Asaoti) LPG Plant | Jhansi LPG Plant | 732 |
| 76 | 3113 | IOC-Mathura LPG | Jhansi LPG Plant | 530 |
| 77 | 3113 | GAIL, BIJAIPUR | Jhansi LPG Plant | 498 |
| 78 | 3113 | BHARAT OMAN REFINERIES LTD | Jhansi LPG Plant | 426 |
| 79 | 3113 | GAIL, AURIYA | Jhansi LPG Plant | 450 |
| 80 | 3116 | ESSAR OIL LTD JAMNAGAR | Bhatinda LPG Plant | 2538 |
| 81 | 3116 | Jamnagar DU | Bhatinda LPG Plant | 2503 |
| 82 | 3116 | RELIANCE PETROLEUM LTD | Bhatinda LPG Plant | 2503 |
| 83 | 3116 | RELIANCE INDUSTRIES LTD | Bhatinda LPG Plant | 2503 |
| 84 | 3116 | DAHEJ DESPATCH UNIT (LPG) | Bhatinda LPG Plant | 2444 |
| 85 | 3116 | GAIL, AURIYA | Bhatinda LPG Plant | 1432 |
| 86 | 3116 | Ajmer LPG Plant | Bhatinda LPG Plant | 1077 |
| 87 | 3116 | Jaipur LPG Plant | Bhatinda LPG Plant | 894 |
| 88 | 3116 | Piyala (Asaoti) LPG Plant | Bhatinda LPG Plant | 801 |
| 89 | 3116 | Loni LPG Plant | Bhatinda LPG Plant | 842 |
| 90 | 3117 | Haldia LPG Plant | MICRO LPG PLANT – GONDA | 1974 |
| 91 | 3117 | Jaipur LPG Plant | MICRO LPG PLANT – GONDA | 1656 |

| | | | | |
|-----|------|----------------------------|-----------------------------------|------|
| 92 | 3117 | Piyala (Asaoti) LPG Plant | MICRO LPG PLANT – GONDA | 1421 |
| 93 | 3117 | Loni LPG Plant | MICRO LPG PLANT – GONDA | 1402 |
| 94 | 3117 | GAIL, BIJAIPUR | MICRO LPG PLANT – GONDA | 1464 |
| 95 | 3117 | IOC-Mathura LPG | MICRO LPG PLANT – GONDA | 1177 |
| 96 | 3117 | GAIL, AURIYA | MICRO LPG PLANT – GONDA | 769 |
| 97 | 3118 | GAIL, BIJAIPUR | MICRO LPG PLANT - BAITALPUR | 1698 |
| 98 | 3118 | Piyala (Asaoti) LPG Plant | MICRO LPG PLANT - BAITALPUR | 1668 |
| 99 | 3118 | Loni LPG Plant | MICRO LPG PLANT - BAITALPUR | 1649 |
| 100 | 3118 | Haldia LPG Plant | MICRO LPG PLANT - BAITALPUR | 1602 |
| 101 | 3118 | IOC-Mathura LPG | MICRO LPG PLANT - BAITALPUR | 1424 |
| 102 | 3118 | GAIL, AURIYA | MICRO LPG PLANT - BAITALPUR | 1016 |
| 103 | 3151 | GAIL, BIJAIPUR | Haldwani Hosp Plant - IOC | 1453 |
| 104 | 3151 | Piyala (Asaoti) LPG Plant | Haldwani Hosp Plant - IOC | 761 |
| 105 | 3151 | GAIL, AURIYA | Haldwani Hosp Plant - IOC | 789 |
| 106 | 3151 | Loni LPG Plant | Haldwani Hosp Plant - IOC | 540 |
| 107 | 3152 | Haldia LPG Plant | Gorakhpur LPG Hospitality (HPC | 1734 |
| 108 | 3152 | Piyala (Asaoti) LPG Plant | Gorakhpur LPG Hospitality (HPC | 1556 |
| 109 | 3152 | Loni LPG Plant | Gorakhpur LPG Hospitality (HPC | 1537 |
| 110 | 3152 | GAIL, BIJAIPUR | Gorakhpur LPG Hospitality (HPC | 1586 |
| 111 | 3152 | IOC-Mathura LPG | Gorakhpur LPG Hospitality (HPC | 1312 |
| 112 | 3152 | GAIL, AURIYA | Gorakhpur LPG Hospitality (HPC | 904 |
| 113 | 3154 | GAIL, AURIYA | Jammu Hosp Plant - HPC | 1962 |
| 114 | 3154 | Piyala (Asaoti) LPG Plant | Jammu Hosp Plant - HPC | 1285 |
| 115 | 3154 | Loni LPG Plant | Jammu Hosp Plant - HPC | 1152 |
| 116 | 3153 | Lalru LPG Plant | Jammu Hosp Plant - IOC | 770 |
| 117 | 3153 | Piyala (Asaoti) LPG Plant | Jammu Hosp Plant - IOC | 1285 |
| 118 | 3153 | Loni LPG Plant | Jammu Hosp Plant - IOC | 1145 |
| 119 | 3156 | Piyala (Asaoti) LPG Plant | JALLANDHAR HOSP PLANT - IOC | 840 |
| 120 | 3158 | Haldia LPG Plant | BABATPUR LPG HOSP PLANT(IOC) | 1498 |
| 121 | 3158 | Piyala (Asaoti) LPG Plant | BABATPUR LPG HOSP PLANT(IOC) | 1571 |
| 122 | 3158 | GAIL, BIJAIPUR | BABATPUR LPG HOSP PLANT(IOC) | 1580 |
| 123 | 3158 | IOC-Mathura LPG | BABATPUR LPG HOSP PLANT(IOC) | 1327 |
| 124 | 3158 | GAIL, AURIYA | BABATPUR LPG HOSP PLANT(IOC) | 918 |
| 125 | 3162 | GAIL, BIJAIPUR | FARRUKHABAD LPG HOSP(IOC) | 997 |
| 126 | 3162 | Piyala (Asaoti) LPG Plant | FARRUKHABAD LPG HOSP(IOC) | 664 |
| 127 | 3162 | Loni LPG Plant | FARRUKHABAD LPG HOSP(IOC) | 632 |
| 128 | 3162 | IOC-Mathura LPG | FARRUKHABAD LPG HOSP(IOC) | 454 |
| 129 | 3162 | GAIL, AURIYA | FARRUKHABAD LPG HOSP(IOC) | 212 |
| 130 | 3176 | BHARAT OMAN REFINERIES LTD | KANODIA PETROLEUM LTD. | 757 |
| 131 | 3176 | Loni LPG Plant | KANODIA PETROLEUM LTD. | 800 |
| 132 | 3176 | Piyala (Asaoti) LPG Plant | KANODIA PETROLEUM LTD. | 803 |
| 133 | 3176 | GAIL, BIJAIPUR | KANODIA PETROLEUM LTD. | 844 |
| 134 | 3176 | IOC-Mathura LPG | KANODIA PETROLEUM LTD. | 661 |
| 135 | 3176 | GAIL, AURIYA | KANODIA PETROLEUM LTD. | 254 |
| 136 | 3177 | Loni LPG Plant | KHYBER PETROLEUM & MINERALS LT | 1712 |
| 137 | 3177 | Piyala (Asaoti) LPG Plant | KHYBER PETROLEUM & MINERALS LT | 1760 |
| 138 | 3178 | GAIL, BIJAIPUR | Aligarh IOC LPG Hospitality | 636 |
| 139 | 3178 | GAIL, AURIYA | Aligarh IOC LPG Hospitality | 446 |

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|-----|------|---------------------------|-----------------------------|-----|
| 140 | 3178 | Loni LPG Plant | Aligarh IOC LPG Hospitality | 242 |
| 141 | 3178 | IOC-Mathura LPG | Aligarh IOC LPG Hospitality | 130 |
| 142 | 3179 | Piyala (Asaoti) LPG Plant | Confidence Petroleum | 1 |
| 143 | 3179 | Loni LPG Plant | Confidence Petroleum | 462 |
| 143 | 3528 | GAIL, AURIYA | RMV – DHAKWA | 780 |

EASTERN REGION (INDICATIVE)

| Sl.No. | Location To | Location From Description | Location To Description | Approx. Dist. (KM) (*) |
|--------|-------------|---------------------------|--------------------------------|------------------------|
| 1 | 3201 | Haldia LPG Plant | Uluberia LPG Plant | 160 |
| 2 | 3201 | IOC-Haldia LPG | Uluberia LPG Plant | 160 |
| 3 | 3201 | HALDIA PETROCHEMICALS LTD | Uluberia LPG Plant | 160 |
| 4 | 3202 | NUMALIGARH REFINERY LTD | Raiganj LPG Plant | 1694 |
| 5 | 3202 | Haldia LPG Plant | Raiganj LPG Plant | 1100 |
| 6 | 3202 | IOC-Haldia LPG | Raiganj LPG Plant | 1100 |
| 7 | 3203 | Haldia LPG Plant | Khurda LPG Plant | 908 |
| 8 | 3203 | EIPL, VIZAG | Khurda LPG Plant | 840 |
| 9 | 3203 | Jatni LPG Hosp Plant-HPC | Khurda LPG Plant | 3318 |
| 10 | 3204 | Haldia LPG Plant | Durgapur LPG Plant | 500 |
| 11 | 3204 | IOC-Haldia LPG | Durgapur LPG Plant | 500 |
| 12 | 3204 | HALDIA PETROCHEMICALS LTD | Durgapur LPG Plant | 500 |
| 13 | 3205 | GAIL, AURIYA | Patna LPG Plant | 1530 |
| 14 | 3205 | Haldia LPG Plant | Patna LPG Plant | 1322 |
| 15 | 3205 | IOC-BARAUNI | Patna LPG Plant | 303 |
| 17 | 3250 | Haldia LPG Plant | Durgapur LPG Plant | 520 |
| 18 | 3255 | Haldia LPG Plant | Jamshepur LPG Hospitality Plan | 558 |
| 19 | 3256 | Haldia LPG Plant | Purnea LPG Hosp Plant HPC | 1282 |
| 20 | 3256 | IOC-BARAUNI | Purnea LPG Hosp Plant HPC | 374 |
| 21 | 3257 | Haldia LPG Plant | Balasore LPG Hosp Plant IOC | 466 |
| 22 | 3259 | EIPL, VIZAG | JHARSUGUDA LPG HOSP PLANT IOC | 1594 |
| 23 | 3259 | Haldia LPG Plant | JHARSUGUDA LPG HOSP PLANT IOC | 1314 |
| 24 | 3260 | Haldia LPG Plant | HAZARIBAGH -LPG HOSP Plant HPC | 938 |
| 25 | 3262 | NUMALIGARH REFINERY LTD | GUWAHATI LPG HOSP PLANT-IOC | 594 |
| 26 | 3276 | GAIL, AURIYA | SANJAY GAS DISTRIBUTOR PVT LTD | 1616 |
| 27 | 3276 | Haldia LPG Plant | SANJAY GAS DISTRIBUTOR PVT LTD | 1469 |
| 28 | 3276 | IOC-BARAUNI | SANJAY GAS DISTRIBUTOR PVT LTD | 208 |
| 29 | 3277 | Haldia LPG Plant | KABSONS INDUSTRIES LTD | 730 |

SOUTHERN REGION (INDICATIVE)

| Sl.No. | Location To | Location From Description | Location To Description | Approx. Dist. (KM) (*) |
|--------|-------------|---------------------------|-------------------------|------------------------|
| 1 | 3301 | ELF GAS INDIA LTD. | Coimbatore LPG Plant | 1013 |

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|----|------|--------------------------------|----------------------------|------|
| 2 | 3301 | CALTEX IMPORT TERMINAL | Coimbatore LPG Plant | 705 |
| 3 | 3301 | Bharat Petroleum Corporation L | Coimbatore LPG Plant | 366 |
| 4 | 3302 | Mangalore Despatch Unit | Tuticorin LPG Plant | 1602 |
| 5 | 3302 | ELF GAS INDIA LTD. | Tuticorin LPG Plant | 1585 |
| 6 | 3302 | Bharat Petroleum Corporation L | Tuticorin LPG Plant | 862 |
| 7 | 3302 | CALTEX IMPORT TERMINAL | Tuticorin LPG Plant | 2 |
| 8 | 3303 | Bharat Petroleum Corporation L | Chennai LPG Plant | 1490 |
| 9 | 3303 | Mangalore Despatch Unit | Chennai LPG Plant | 1483 |
| 10 | 3303 | ELF GAS INDIA LTD. | Chennai LPG Plant | 1463 |
| 11 | 3303 | CALTEX IMPORT TERMINAL | Chennai LPG Plant | 1250 |
| 12 | 3303 | Vijayawada LPG PLANT | Chennai LPG Plant | 876 |
| 13 | 3303 | IOC-CPCL-RCO | Chennai LPG Plant | 90 |
| 14 | 3304 | Mangalore Despatch Unit | Trivandrum LPG Plant | 1371 |
| 15 | 3304 | ELF GAS INDIA LTD. | Trivandrum LPG Plant | 1298 |
| 16 | 3304 | Bharat Petroleum Corporation L | Trivandrum LPG Plant | 402 |
| 17 | 3304 | CALTEX IMPORT TERMINAL | Trivandrum LPG Plant | 450 |
| 18 | 3305 | ELF GAS INDIA LTD. | Mangalore LPG Plant | 10 |
| 19 | 3306 | Bharat Petroleum Corporation L | Kurnool LPG Plant | 1788 |
| 20 | 3306 | Mangalore Despatch Unit | Kurnool LPG Plant | 1409 |
| 21 | 3306 | ELF GAS INDIA LTD. | Kurnool LPG Plant | 1389 |
| 22 | 3306 | HPC-LPG DU-VIZAG | Kurnool LPG Plant | 1328 |
| 23 | 3306 | Vijayawada LPG PLANT | Kurnool LPG Plant | 820 |
| 24 | 3306 | Hyderabad LPG Plant | Kurnool LPG Plant | 466 |
| 25 | 3307 | ELF GAS INDIA LTD. | Hyderabad LPG Plant | 1862 |
| 26 | 3307 | Bharat Petroleum Corporation L | Hyderabad LPG Plant | 2258 |
| 27 | 3307 | MUMBAI LPG IMPORT TERMINAL | Hyderabad LPG Plant | 1480 |
| 28 | 3307 | HPC-LPG DU-VIZAG | Hyderabad LPG Plant | 1184 |
| 29 | 3308 | Mangalore Despatch Unit | Tanjavur LPG Plant | 1621 |
| 30 | 3308 | ELF GAS INDIA LTD. | Tanjavur LPG Plant | 1604 |
| 31 | 3308 | Bharat Petroleum Corporation L | Tanjavur LPG Plant | 898 |
| 32 | 3308 | IOC-CPCL-RCO | Tanjavur LPG Plant | 806 |
| 33 | 3308 | CALTEX IMPORT TERMINAL | Tanjavur LPG Plant | 602 |
| 34 | 3309 | Bharat Petroleum Corporation L | Dharwad LPG Plant | 1719 |
| 35 | 3309 | ONGC-Uran | Dharwad LPG Plant | 1129 |
| 36 | 3309 | Hyderabad LPG Plant | Dharwad LPG Plant | 1070 |
| 37 | 3309 | ELF GAS INDIA LTD. | Dharwad LPG Plant | 815 |
| 38 | 3309 | Mangalore Despatch Unit | Dharwad LPG Plant | 801 |
| 39 | 3309 | HPC-MRPL LPG | Dharwad LPG Plant | 801 |
| 40 | 3311 | EIPL, VIZAG | Vijayawada LPG PLANT | 818 |
| 41 | 3311 | HPC-LPG DU-VIZAG | Vijayawada LPG PLANT | 818 |
| 42 | 3312 | Bharat Petroleum Corporation L | Bangalore LPG PLANT | 1238 |
| 43 | 3312 | Mangalore Despatch Unit | Bangalore LPG PLANT | 647 |
| 44 | 3312 | HPC-MRPL LPG | Bangalore LPG PLANT | 647 |
| 45 | 3366 | Mangalore Despatch Unit | CHINGLEPUT HOSP PLANT-IOC | 1357 |
| 46 | 3366 | Vijayawada LPG PLANT | CHINGLEPUT HOSP PLANT-IOC | 800 |
| 47 | 3366 | IOC-CPCL-RCO | CHINGLEPUT HOSP PLANT-IOC | 174 |
| 48 | 3379 | Mangalore Despatch Unit | Surya Petroleums Pvt. Ltd. | 1148 |
| 49 | 3379 | ELF GAS INDIA LTD. | Surya Petroleums Pvt. Ltd. | 1042 |
| 50 | 3379 | CALTEX IMPORT TERMINAL | Surya Petroleums Pvt. Ltd. | 806 |

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|----|------|--------------------------------|---------------------------------|------|
| 51 | 3379 | Bharat Petroleum Corporation | Surya Petroleums Pvt. Ltd. | 90 |
| 52 | 3382 | EIPL, VIZAG | ENN ENN BOTTLING CO. | 170 |
| 53 | 3382 | HPC-LPG DU-VIZAG | ENN ENN BOTTLING CO. | 160 |
| 54 | 3384 | Mangalore Despatch Unit | TARRA LPG BOTTLING PVT LTD. | 1371 |
| 55 | 3384 | ELF GAS INDIA LTD. | TARRA LPG BOTTLING PVT LTD. | 1351 |
| 56 | 3384 | Bharat Petroleum Corporation L | TARRA LPG BOTTLING PVT LTD. | 1290 |
| 57 | 3384 | IOC-CPCL-RCO | TARRA LPG BOTTLING PVT LTD. | 174 |
| 58 | 3387 | Mangalore Despatch Unit | CONFIDENCE CYLINDERS & PETROCH | 1367 |
| 59 | 3387 | Bharat Petroleum Corporation | CONFIDENCE CYLINDERS & PETROCH | 900 |
| 60 | 3387 | CALTEX IMPORT TERMINAL | CONFIDENCE CYL. NDERS & PETROCH | 264 |
| 61 | 3389 | Bharat Petroleum Corporation | Malabar Fuel Corporation | 588 |
| 62 | 3389 | Mangalore Despatch Unit | Malabar Fuel Corporation | 321 |
| 63 | 3389 | ELF GAS INDIA LTD. | Malabar Fuel Corporation | 301 |
| 64 | 3390 | ELF GAS INDIA LTD. | M/s Kerala State Co-op.cons.F | 897 |
| 65 | 3390 | Mangalore Despatch Unit | M/s Kerala State Co-op.cons.F | 890 |
| 66 | 3390 | CALTEX IMPORT TERMINAL | M/s Kerala State Co-op.cons.F | 643 |
| 67 | 3390 | Bharat Petroleum Corporation L | M/s Kerala State Co-op.cons.F | 336 |
| 68 | 3392 | CALTEX IMPORT TERMINAL | MERIYA PETRO. Prod P.LT | 836 |
| 69 | 3392 | Bharat Petroleum Corporation L | MERIYA PETRO. ProdP.LT | 60 |
| 70 | 3394 | CALTEX IMPORT TERMINAL | M k Gastek | 639 |
| 71 | 3394 | Bharat Petroleum Corporation L | M k Gastek | 332 |
| 72 | 3728 | CALTEX IMPORT TERMINAL | RMV – Cherlapalli | 170 |
| 73 | 3732 | Bharat Petroleum Corporation L | RMV - Vijayawada | 153 |

WESTERN REGION (INDICATIVE)

| Sl.No. | Location To | Location From Description | Location To Description | Approx. Dist. (KM) (*) |
|--------|-------------|--------------------------------|-------------------------|------------------------|
| 1 | 3403 | Bharat Petroleum Corporation L | Solapur LPG Plant | 788 |
| 2 | 3403 | MUMBAI LPG IMPORT TERMINAL | Solapur LPG Plant | 788 |
| 3 | 3403 | ONGC-Uran | Solapur LPG Plant | 768 |
| 4 | 3404 | GAIL, BIJAIPUR | Jalgaon LPG Plant | 1266 |
| 5 | 3404 | GAIL, VAGODIA | Jalgaon LPG Plant | 946 |
| 6 | 3404 | ONGC-Uran | Jalgaon LPG Plant | 929 |
| 7 | 3404 | Bharat Petroleum Corporation L | Jalgaon LPG Plant | 856 |
| 8 | 3404 | MUMBAI LPG IMPORT TERMINAL | Jalgaon LPG Plant | 856 |
| 9 | 3404 | GAIL , GANDHAR | Jalgaon LPG Plant | 835 |
| 10 | 3404 | DAHEJ DESPATCH UNIT (LPG) | Jalgaon LPG Plant | 863 |
| 11 | 3404 | ONGC, HAZIRA | Jalgaon LPG Plant | 699 |
| 12 | 3406 | ESSAR OIL LTD JAMNAGAR | Indore LPG Plant | 1446 |
| 13 | 3406 | Jamnagar DU | Indore LPG Plant | 1410 |
| 14 | 3406 | RELIANCE PETROLEUM LTD | Indore LPG Plant | 1410 |
| 15 | 3406 | RELIANCE INDUSTRIES LTD | Indore LPG Plant | 1410 |
| 16 | 3406 | Bharat Petroleum Corporation L | Indore LPG Plant | 1174 |
| 17 | 3406 | ONGC, HAZIRA | Indore LPG Plant | 946 |
| 18 | 3406 | GAIL , GANDHAR | Indore LPG Plant | 880 |
| 19 | 3406 | DAHEJ DESPATCH UNIT (LPG) | Indore LPG Plant | 850 |

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|----|------|--------------------------------|---------------------|------|
| 20 | 3406 | BHARAT OMAN REFINERIES LTD | Indore LPG Plant | 718 |
| 21 | 3406 | GAIL, VAGODIA | Indore LPG Plant | 700 |
| 22 | 3406 | GAIL, BIJAIPUR | Indore LPG Plant | 572 |
| 23 | 3407 | ESSAR OIL LTD JAMNAGAR | Ahmedabad LPG Plant | 698 |
| 24 | 3407 | KANDLA IMPORT TERMINAL (IOC) | Ahmedabad LPG Plant | 684 |
| 25 | 3407 | Jamnagar DU | Ahmedabad LPG Plant | 666 |
| 26 | 3407 | RELIANCE PETROLEUM LTD | Ahmedabad LPG Plant | 666 |
| 27 | 3407 | RELIANCE INDUSTRIES LTD | Ahmedabad LPG Plant | 666 |
| 28 | 3407 | ONGC, HAZIRA | Ahmedabad LPG Plant | 502 |
| 29 | 3407 | DAHEJ DESPATCH UNIT (LPG) | Ahmedabad LPG Plant | 450 |
| 30 | 3407 | GAIL , GANDHAR | Ahmedabad LPG Plant | 256 |
| 31 | 3407 | GAIL, VAGODIA | Ahmedabad LPG Plant | 204 |
| 32 | 3407 | IOC – KOYALI | Ahmedabad LPG Plant | 78 |
| 33 | 3408 | Bharat Petroleum Corporation L | Wai LPG Plant | 458 |
| 34 | 3408 | MUMBAI LPG IMPORT TERMINAL | Wai LPG Plant | 458 |
| 35 | 3409 | Bharat Petroleum Corporation L | Goa LPG plant | 1250 |
| 36 | 3409 | MUMBAI LPG IMPORT TERMINAL | Goa LPG plant | 1250 |
| 37 | 3409 | ONGC-Uran | Goa LPG plant | 1230 |
| 38 | 3409 | ELF GAS INDIA LTD. | Goa LPG plant | 706 |
| 39 | 3409 | Mangalore Despatch Unit | Goa LPG plant | 697 |
| 40 | 3410 | GAIL , GANDHAR | Rajkot LPG Plant | 760 |
| 41 | 3410 | GAIL, VAGODIA | Rajkot LPG Plant | 700 |
| 42 | 3410 | DAHEJ DESPATCH UNIT (LPG) | Rajkot LPG Plant | 698 |
| 43 | 3410 | IOC – KOYALI | Rajkot LPG Plant | 534 |
| 44 | 3410 | KANDLA IMPORT TERMINAL (IOC) | Rajkot LPG Plant | 410 |
| 45 | 3410 | Jamnagar DU | Rajkot LPG Plant | 238 |
| 46 | 3410 | RELIANCE PETROLEUM LTD | Rajkot LPG Plant | 238 |
| 47 | 3410 | ESSAR OIL LTD JAMNAGAR | Rajkot LPG Plant | 274 |
| 48 | 3410 | RELIANCE INDUSTRIES LTD | Rajkot LPG Plant | 238 |
| 49 | 3412 | GAIL, VAGODIA | Nagpur LPG Plant | 1828 |
| 50 | 3412 | DAHEJ DESPATCH UNIT (LPG) | Nagpur LPG Plant | 1804 |
| 51 | 3412 | GAIL , GANDHAR | Nagpur LPG Plant | 1717 |
| 52 | 3412 | ONGC, HAZIRA | Nagpur LPG Plant | 1582 |
| 53 | 3412 | GAIL, BIJAIPUR | Nagpur LPG Plant | 1186 |
| 54 | 3413 | GAIL, VAGODIA | Nasik LPG Plant | 938 |
| 55 | 3413 | GAIL , GANDHAR | Nasik LPG Plant | 827 |
| 56 | 3413 | DAHEJ DESPATCH UNIT (LPG) | Nasik LPG Plant | 857 |
| 57 | 3413 | ONGC, HAZIRA | Nasik LPG Plant | 691 |
| 58 | 3413 | Bharat Petroleum Corporation L | Nasik LPG Plant | 362 |
| 59 | 3413 | MUMBAI LPG IMPORT TERMINAL | Nasik LPG Plant | 362 |
| 60 | 3413 | ONGC-Uran | Nasik LPG Plant | 362 |
| 61 | 3415 | ONGC, HAZIRA | Pune LPG | 1058 |
| 62 | 3415 | Bharat Petroleum Corporation L | Pune LPG | 348 |
| 63 | 3415 | MUMBAI LPG IMPORT TERMINAL | Pune LPG | 348 |
| 64 | 3415 | ONGC-Uran | Pune LPG | 348 |
| 65 | 3417 | ONGC-Uran | Bakani LPG Plant | 1650 |
| 66 | 3417 | GAIL, VAGODIA | Bakani LPG Plant | 1056 |
| 67 | 3417 | BHARAT OMAN REFINERIES LTD | Bakani LPG Plant | 350 |
| 68 | 3417 | GAIL , GANDHAR | Bakani LPG Plant | 1450 |

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|-----|------|--------------------------------|---------------------------------|------|
| 69 | 3417 | GAIL, BIJAIPUR | Bakani LPG Plant | 365 |
| 70 | 3451 | GAIL, VAGODIA | Manmad Hosp.LPG Plant – IOC | 926 |
| 71 | 3451 | GAIL , GANDHAR | Manmad Hosp.LPG Plant – IOC | 840 |
| 72 | 3451 | ONGC, HAZIRA | Manmad Hosp.LPG Plant – IOC | 703 |
| 73 | 3451 | Bharat Petroleum Corporation L | Manmad Hosp.LPG Plant – IOC | 614 |
| 74 | 3451 | ONGC-Uran | Manmad Hosp.LPG Plant – IOC | 594 |
| 75 | 3451 | MUMBAI LPG IMPORT TERMINAL | Manmad Hosp.LPG Plant – IOC | 520 |
| 76 | 3454 | ESSAR OIL LTD JAMNAGAR | Bhavnagar Hosp.LPG Plant – IOC | 658 |
| 77 | 3454 | Jamnagar DU | Bhavnagar Hosp.LPG Plant – IOC | 630 |
| 78 | 3454 | RELIANCE PETROLEUM LTD | Bhavnagar Hosp.LPG Plant – IOC | 630 |
| 79 | 3454 | RELIANCE INDUSTRIES LTD | Bhavnagar Hosp.LPG Plant – IOC | 630 |
| 80 | 3454 | KANDLA IMPORT TERMINAL (IOC) | Bhavnagar Hosp.LPG Plant – IOC | 552 |
| 81 | 3454 | IOC – KOYALI | Bhavnagar Hosp.LPG Plant – IOC | 392 |
| 82 | 3457 | ESSAR OIL LTD JAMNAGAR | SARDHAV HOSP.LPG PLANT – HPC | 778 |
| 83 | 3457 | Jamnagar DU | SARDHAV HOSP.LPG PLANT – HPC | 754 |
| 84 | 3457 | RELIANCE PETROLEUM LTD | SARDHAV HOSP.LPG PLANT – HPC | 754 |
| 85 | 3457 | RELIANCE INDUSTRIES LTD | SARDHAV HOSP.LPG PLANT – HPC | 754 |
| 86 | 3457 | DAHEJ DESPATCH UNIT (LPG) | SARDHAV HOSP.LPG PLANT – HPC | 534 |
| 87 | 3457 | KANDLA IMPORT TERMINAL (IOC) | SARDHAV HOSP.LPG PLANT – HPC | 524 |
| 88 | 3457 | GAIL , GANDHAR | SARDHAV HOSP.LPG PLANT – HPC | 392 |
| 89 | 3457 | IOC – KOYALI | SARDHAV HOSP.LPG PLANT – HPC | 348 |
| 90 | 3457 | GAIL, VAGODIA | SARDHAV HOSP.LPG PLANT – HPC | 320 |
| 91 | 3459 | GAIL , GANDHAR | Aurangabad Hosp.LPG Plant HPC | 946 |
| 92 | 3459 | DAHEJ DESPATCH UNIT (LPG) | Aurangabad Hosp.LPG Plant HPC | 936 |
| 93 | 3459 | GAIL, VAGODIA | Aurangabad Hosp.LPG Plant HPC | 906 |
| 94 | 3459 | Bharat Petroleum Corporation L | Aurangabad Hosp.LPG Plant HPC | 800 |
| 95 | 3459 | ONGC, HAZIRA | Aurangabad Hosp.LPG Plant HPC | 798 |
| 96 | 3461 | Bharat Petroleum Corporation L | Sinnar LPG Hosp. Plant – HPC | 362 |
| 97 | 3464 | GAIL, VAGODIA | DHANAJ LPG HOSP PLANT(IOC) | 1494 |
| 98 | 3464 | DAHEJ DESPATCH UNIT (LPG) | DHANAJ LPG HOSP PLANT(IOC) | 1428 |
| 99 | 3464 | Bharat Petroleum Corporation L | DHANAJ LPG HOSP PLANT(IOC) | 1366 |
| 100 | 3464 | GAIL , GANDHAR | DHANAJ LPG HOSP PLANT(IOC) | 1302 |
| 101 | 3464 | ONGC, HAZIRA | DHANAJ LPG HOSP PLANT(IOC) | 1216 |
| 102 | 3464 | GAIL, BIJAIPUR | DHANAJ LPG HOSP PLANT(IOC) | 1126 |
| 103 | 3483 | Bharat Petroleum Corporation L | SANUJ STEELS PVT LTD | 6 |
| 104 | 3489 | EIPL, VIZAG | GASPOINT PETROLEUM INDIA LTD | 2052 |
| 105 | 3489 | GAIL, BIJAIPUR | GASPOINT PETROLEUM INDIA LTD | 1726 |
| 106 | 3490 | GAIL, BIJAIPUR | RAIPUR LPG BOTTLING PLANT – IOC | 1736 |
| 107 | 3492 | ESSAR OIL LTD JAMNAGAR | CONFIDENCE CYLINDERS &PETR.P.L | 1438 |
| 108 | 3492 | Jamnagar DU | CONFIDENCE CYLINDERS &PETR.P.L | 1424 |
| 109 | 3492 | RELIANCE PETROLEUM LTD | CONFIDENCE CYLINDERS &PETR.P.L | 1424 |
| 110 | 3492 | RELIANCE INDUSTRIES LTD | CONFIDENCE CYLINDERS &PETR.P.L | 1424 |
| 111 | 3492 | ONGC-Uran | CONFIDENCE CYLINDERS &PETR.P.L | 1324 |
| 112 | 3492 | ONGC, HAZIRA | CONFIDENCE CYLINDERS &PETR.P.L | 1030 |
| 113 | 3492 | DAHEJ DESPATCH UNIT (LPG) | CONFIDENCE CYLINDERS &PETR.P.L | 946 |

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| 114 | 3492 | GAIL , GANDHAR | CONFIDENCE CYLINDERS &PETR.P.L | 764 |
| 115 | 3492 | GAIL, VAGODIA | CONFIDENCE CYLINDERS &PETR.P.L | 640 |
| 116 | 3492 | GAIL, BIJAIPUR | CONFIDENCE CYLINDERS &PETR.P.L | 460 |
| 117 | 3494 | MUMBAI LPG IMPORT TERMINAL | SHV MURBAD | 150 |
| 118 | 3494 | Bharat Petroleum Corporation L | SHV MURBAD | 156 |
| 119 | 3834 | Bhitoni LPG Plant | RMV- Paloha | 144 |

Annexure VI.

**TENDERER'S DECLARATION
DETAILS OF RELATIONSHIP WITH BPCL / KRL / NRL / BORL DIRECTOR ETC.**

Tenderer should furnish following details in the appropriate part based on their organizational structure.

| Organizational Structure | Part of the form applicable |
|--|------------------------------------|
| Sole Trader | Declaration-A |
| Partnership | Declaration-B |
| Company Private / Public | Declaration-C |
| Organisation Structure-All organizations | Declaration-D |

Declaration – A

(APPLICABLE WHERE TENDERER IS SOLE PROPRIETOR)

1. Name of tenderer
2. Address Residence Office
3. State whether tenderer is related to any Director (s) of the BPCL / KRL / NRL / BORL Yes/No*
4. If 'Yes' to 3, state the name of BPCL/KRL/NRL / BORL's Director and Tenderer Relationship with him / her.
*Strike out whichever is not applicable.

PLACE:

DATE:

Declaration-B

(APPLICABLE WHERE THE TENDERER IS A PARTNERSHIP FIRM)

1. Name of the Partnership firm responding to the tender
2. Address
3. Name of Partners
4. State whether any of the partners is a Director to the BPCL/KRL/NR/BORL., **Yes/No***
5. If 'Yes' to 4 state the name(s) of BPCL / KRL/ NRL/BORL's Directors
6. State whether any of the partners is related to any of the Director(s) of the BPCL / KRL / NRL/BORL's Directors **Yes/No***

7. If 'Yes' to 6, state the name(s) of BPCL / KRL / NRL/BORL's Directors and the concerned partner's Relationship with him / her.

* Strike out whichever is not applicable.

PLACE:

DATE

Declaration – C

(APPLICABLE WHERE THE TENDERER IS A PUBLIC / PRIVATE LTD. CO.)

1. Name of the Company responding to the tender
2. Address of:

a) Registered

Office b) Principal

Office

3. State whether the Company is a Pvt. Ltd. Co. Yes/No*
or Public Ltd., Co.

4. Names of Directors of the Company

5. State whether any of the Directors of the Tenderer's

Yes/No

* Company is a Director of BPCL/KRL/NRL/BORL's.

6. It 'Yes' to (5) state the name(s) of BPC/KRL/NRL/BORL's Directors

7. State whether any of the Director of the Tenderer Company is related to any of the Director's of the BPCL/KR/NRLBORL's.

Yes/No*

8. If 'Yes' to (7) state the name(s) of BPCL / KTL / NRL / BORL's Director's (of the Tenderer Co.) relationship with him /her.

Strike out whichever is not applicable.

PLACE :

DATE :

Declaration – D

Tenderer is required to state whether they have employed any retired Director and above rank officer of BPCL / KRL / NRL / BORL in their firm. If so, details hereunder to be submitted.

1. Name of the person :

2. Post last held in BPCL/KRL/NRL/BORL :

3. Date of retirement :

4. Date of employment of the firm :

Date:

Tenderer's Signature & Seal

Place:

NB:

1. A separate sheet may be attached, if the above is not sufficient.
2. Strike out whichever is not applicable. If the Tenderer employs any person subsequent to signing the above declaration and the employee/s so appointed happen to be the near relatives of the Officer / Director of BPCL/KRL/NRL/BORL Central/State Governments, the Tenderer should submit another declaration furnishing the name/s of such employee/s who is /are related to the officer / s of BPCL / KRL/ NRL/ BORL / Central / State Government

Annexure VII

INTEGRITY PACT

(To be executed on plain paper and applicable for all tenders of value above Rs. 1 crore)

Bharat Petroleum Corporation Limited (BPCL) hereinafter referred to as "The Principal",
Andhereinafter referred to as "The Bidder/Contractor/Supplier"

Preamble

The Principal intends to award, under laid down organization procedures, contract/s for Vehicle Tracking System for LPG Bulk Lorries. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s, Contractor/s and Supplier/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental

Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an Independent External Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - a) No employee of the Principal, personally or through family members, will in connection with the tender, or the execution of the contract, demand, take a promise for or accept, for himself/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
 - b) The Principal will, during the tender process, treat all Bidders with equity and reason. The Principal will, in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential / additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
 - c) The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder / Contractor / Supplier

- (1) The Bidder / Contractor/Supplier commits itself to take all measures necessary to prevent corruption.

He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

 - a) The Bidder / Contractor/Supplier will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person, any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange, any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b) The Bidder / Contractor/Supplier will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

- c) The Bidder / Contractor/Supplier will not commit any offence under the relevant Anti-Corruption Laws of India; further the Bidder / Contractor/Supplier will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d) The Bidder / Contractor/Supplier will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder / Contractor/Supplier will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder, before contract award, has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

- (1) If the Bidder/Contractor/Supplier has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is also entitled to exclude the Bidder / Contractor/Supplier from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
- (2) A transgression is considered to have occurred if the Principal after due consideration of the available evidences, concludes that no reasonable doubt is possible.
- (3) The Bidder accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
- (4) If the Bidder / Contractor/Supplier can prove that he has restored / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

Section 4 – Compensation for Damages

- (1) If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit/Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor/Supplier liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.
- (3) The Bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder / Contractor/Supplier can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder /Contractor/Supplier shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 - Previous Transgression

- (1) The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders / Contractors / Suppliers / Subcontractors

- (1) The Bidder/Contractor/Supplier undertakes to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors/Suppliers and Subcontractors.
- (3) The Principal will disqualify from the tender process all Bidders who do not sign this Pact or violate its provisions.

Section 7 – Punitive Action against violating Bidders / Contractors / Suppliers / Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor, Supplier or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor, Supplier or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - Independent External Monitors

- (1) The Principal has appointed competent and credible Independent External Monitors for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.
- (3) The Bidder/Contractor/Supplier accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Bidder / Contractor / Supplier. The Bidder / Contractor / Supplier will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to this project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Supplier/ Subcontractor with confidentiality.
- (4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder/Contractor/Supplier. The parties offer to the Monitor the option to participate in such meetings.
- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendation. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the Bidder / Contractor / Supplier to present its case before making its recommendations to the Principal.
- (6) The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
- (7) If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the

Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

(8) The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor/Supplier 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairperson of the Principal.

Section 10 - Other provisions

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Mumbai. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.
- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) If the Bidder/Contractor/Supplier is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

.....

..... For the Principal
Bidder/Contractor/Supplier

.....
For the

Place

Witness 1 :
(Signature/Name/ Address)

Date

Witness 2 :
(Signature/Name/Address)

Names, Addresses and Contact Numbers of Independent External Monitors

| Shri. S.S.N. Moorthy | Shri. Shantanu Consul | Shri. Vikram Srivastava |
|--|--|--|
| ADDRESS | ADDRESS | ADDRESS |
| GfQ, 1st Floor, B. Block, Summit Apts. Mettupalayam Road, Coimbatore - 641 043 | No.9MCHS (IAS Officers Colony), 16 th Main, 5 th C Cross, BTM 2 nd stage, Bangalore – 560 076 | E-202, Second Floor , Greater Kailash Part 2, New Delhi - 110048 |
| ssnm1950@yahoo.com | shantanuconsul@gmail.com | vikramsrivastava1973@gmail.com |
| Mob. 09500998610 | Mob. 09740069318 | Mob. 09810642323 |

Annexure : VIII:PRICE BID FORMAT:

| Description | Total no of units | Unit Rate (Rs) - per Lorry per month |
|--|--|--|
| <p>1. Job involves providing service for Vehicle Tracking System (VTS) on Transporter Trucks as per the detailed scope of work mentioned in the Tender Document.</p> <p>Job also includes the following composite (end to end)arrangement</p> <ul style="list-style-type: none">a. Arrangement with the Network Service Providerb. Procurement and management of SIMsc. Creation of geo fenced routes in the system if reqdd. Deployment of qualified technicians at the locationse. Monitoring the performance of the Trucks on a daily basisf. Software for the VTS Application including licensed Google mapg. Data Management & Liaising with the location incharges for management of Exception Reports | <p>330000 nos</p> <p>(5500 Lorries x 60 months)</p> | <p>A.Basic rate :</p> <p>B.Plus taxes if any :</p> <p>(specify the taxes)</p> <p>Total Rate per unit(A+B) :</p> <p>Total Rate per unit in words.</p> |