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**Non-Judicial****Rs 7,133/-**

First Party : TPL Trakker Ltd [35201-3908810-1]
 Second Party : Chief Officer Municipal Committee Wazirabad [35201-0000000-1]
 Agent : Usama Ali [35202-4486383-3]
 Stamp Duty Paid by : TPL Trakker Ltd [35201-3908810-1]
 Issue Date : 03-Oct-2022, 12:39:16 PM
 Paid Through Challan : 2022D6D7431C5D8A
 Amount in Words : Seven Thousand One Hundred and Thirty Three Rupees Only

Please Write Below This Line

CONTRACT AGREEMENT

THIS AGREEMENT made on the 04th day of October, 2022 between **Municipal Committee Wazirabad** (hereinafter "the Purchaser"), of the one part, and **TPL Trakker Ltd** (hereinafter called "the Supplier"), of the other part:

WHEREAS the Purchaser invited bids for **Provision of Machinery & Equipment's for improvement of Solid Waste Management in Wazirabad City**" (As per scope of work and terms & conditions prescribed in the Bidding Documents), and has accepted a Bid by the Supplier for the supply of those Goods in the sum of **PKR. 2,853,060/-** (Two million eight hundred fifty-three thousand sixty Rupees Only.) (hereinafter called "the Contract Price").

Detail as under:-

Sr. No.	Machine Name	Unit	No of Vehicles	Rate	Cost
1	Cost of Installation of Tracking system	NO	28	76,050	2,129,400
	Sub Total				2,129,400
2	Annual Services charges		No	28	25,845
	Service charges per annum=8615				
	Service charges for 3 years=25,845				
	Sub Total				723,660
	Grand Total cost				2,853,060

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.



The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:



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CONTINUATION SHEET

- (a) The Letter of Award of Contract;
- (b) The Form of Bid;
- (c) The Bill of Quantities with quoted rates;
- (d) The Particular Conditions of Contract; Part-II
- (e) The General Conditions of Contract; Part-I
- (f) Appendices to Bid;
- (g) Specifications;
- (h) Drawings; and
- (i) Any other Item

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF, the parties have hereunto set their respective hands and seals the day and the year hereinbefore set forth

For and On Behalf of
Municipal Committee Wazirabad

For and On Behalf of
TPL Trakker Ltd.

Signature: _____

Signature: _____

Name: Gulzar Wazirabad

Name: SARWAR ALI KHAN

Designation: Chief Officer

Designation: CEO

Seal: **Chief Officer**
Municipal Committee
Wazirabad

Seal: _____

Date: _____

Date: 04-10-2022

Witness:

Signature: _____

Signature: _____

Name: Waqar Ahmed

Name: M. MUBASHAR APZAL

Designation: M.O. (I&S)

Designation: HUB MANAGER

Date: **MUNICIPAL OFFICER (I&S)**
Municipal Committee
Wazirabad

Date: 04-10-2022



OFFICE OF THE
MUNICIPAL COMMITTEE
WAZIRABAD

No. PCP/MC/WZD/22/20 Dated 19-10-2022

Phone No. (055) 6601276

Email Address: mc.wazirabad786@gmail.com

(WORK ORDER AND TERM & CONDITIONS)

To,

M/S. TPL Trakker,
4th Floor, Tower 75, L-Block,
Gulberg-III, Kalma Chowk,
Main Feroz Pur Road, Lahore.
Ph:#: 042-111-000-300
Email: info@trakker.com.pk

Subject:-

"PROVISION OF SOLID WASTE MACHINERY & EQUIPMENT FOR IMPROVEMENT OF SOLID WASTE MANAGEMENT IN WAZIRABAD CITY" (VEHICLE TRACKING & MONITORING SYSTEM-LOT NO.2).
(Under Punjab Cities Program)

Reference:- Your Bid dated 08-06-2022.

The rate your Bid/Tender for the scheme cited as subject has been approved by competent authority with the completion period of One (01) month starting from the date of issuance of work order as per following items of work & rates, subject to strict Technical/Financial Regularities & Codal Formalities, General Terms & Condition of the contract agreement including conditions herein after. The detailed cost estimate has been technically sanctioned vide Chief Engineer Punjab Local Government Board Lahore vide letter No. CE(NORTH)PLGB-TS-(11)/2021 Lahore dated 03-11-2021.

Sr. No.	Description	Unit	No of vehicles	Rate (PKR)	Cost (PKR)
1	Cost of installation of tracking systems, Inclusive Taxes	No	28	76,050	2,129,400
Sub Total (Rs.)					2,129,400
2	Annual Services charges inclusive Taxes	No	28	25,845	7,23,660
	Service Charges per Annum = 8615				
	Service Charges for Three (03) Years = 25845				
Sub Total (Rs.)					7,23,660
Grand Total cost (Rs.)					2,853,060

Note: The above bid rate is 22.586% below from Technically Sanctioned Estimate / PC-I.

SPECIFICATION OF ICT BASED MONITORING & VEHICLE TRACKING SYSTEM

Scope of Work

The scope of works shall include the design, supply, installation, testing and commissioning of Vehicle Tracking Monitoring System (VTMS) complete with associated electrical and communication wiring works, control equipment, LED video display unit, works stations, mounting brackets and accessories. The Contractor shall be responsible for providing complete turnkey system solution including auxiliary equipment, and all such equipment with accessories shall be deemed to be included in the scope of Contractor and no extra payment shall be made to the Contractor for these. The system shall include Hardware and Software of Vehicle Tracking, wiring, termination, electrical boxes, and all other necessary material for a complete operating system in Control rooms. The bidders may raise the queries for any clarification, missing information or ambiguity if any, within one week after issuance of bidding documents. Any work to be carried out by the owner

/ Main contractor, should be mentioned clearly along with the bid, otherwise no claim against extra work shall be acceptable. Specification, Drawings and BOQ etc. should be read carefully to comply with specified loads, serving landings and other general and special safety features. Any deviation from specification / BOQ should be mentioned well in time before submission of bid.

The Hardware and Software of Vehicle Tracking and Monitoring System (VTMS) works are to be performed; the requirements given in the Technical Specification shall be fulfilled. The Contractor shall be responsible and provide the following:

- Hardware and Software of Vehicle Tracking, and Monitoring System (VTMS).
- Hardware and Software of Tracking, and Monitoring System (VTMS) to remotely control, and transmit information regarding status of each device from the Site to Control Room
- Operator Workstation with LED Video Display Unit at the Central Control Room
- All software packages shall be provided in original installation media along with their licenses
- Preparing an Engineering Design Report covering, at least, the following subsystems:
 - 1) Detailed Construction Drawings and As-Built drawings for the Hardware and Software of Vehicle Tracking and Monitoring System (VTMS)
 - 2) Schematics and interconnection diagrams showing Hardware and Software of Vehicle Tracking and Monitoring System (VTMS) controllers and other elements to monitor and control the processes outlined above
 - 3) The exact quantities and types of hardware and software required
 - 4) Technical details of the hardware and software of the complete systems
 - 5) Schematic drawing of the complete systems
 - 6) Layout drawings.
 - 7) Cable schedules and routing plan.
 - 8) Detailed description of the data acquisition software, user configurable functions and software features to be provided.
 - 9) Complete details, brochures and pictures of the proposed area.
 - 10) Installation, testing and commissioning procedures and methodology.
- Procure, transport and deliver equipment and hardware to site, after approval of the above report(s) by the Engineer.
- Design, install, test and commission of Hardware and Software of Vehicle Tracking and Monitoring System (VTMS) in accordance with the procedures given in the engineering design report.
- Provide training to the minimum four personnel nominated by Employer for 15 days. Bidder shall submit with his bid the following Documents/Data for all system equipment including Hardware and Software of Vehicle Tracking and Monitoring System (VTMS).
- Brochures and data sheets of each equipment
- Block diagram of Hardware and Software of Vehicle Tracking and Monitoring System (VTMS)
- Test standards and design
- Backup calculations showing that Hard Disks shall be able to record data of all systems for a period of two years.
- International Standard Reports/Certificates

Standards

Materials/Equipment shall be designed, manufactured, tested and installed according to relevant IEC/ISO/ITU/EN/CE Recommendations. Where no such Recommendations have been issued to

Over a particular subject then a recognized international standard shall be applied. The latest edition and amendments shall apply in all cases.

The Bidder shall state in his bid the standards and codes of practice which he proposes for any items of system or equipment not covered by IEC/ISO/ITU/EN/CE Recommendations. If required by the Employer, the Contractor shall submit two English language copies of any standard or code of practice. Equipment and design shall comply with international USA / European or Any ADB eligible member Country standards.

General Specifications

All the vehicles described above shall be equipped with a Vehicle Tracking and Monitoring System (VTMS), as a minimum being capable to monitor vehicle routes, speed of travel, distance covered harsh braking, mileage in Control room etc.

Through VTMS all the operational vehicles and their working shall be easily recorded and monitored. By using this web application, the Client shall be able to monitor the operational vehicle route and speed to keep a strict eye on the vehicles. The Vehicles shall be equipped with approved Tracking device operational (fees paid) for the year in which vehicle is supplied to the Employer, routing transmitter for tracking system, and other instruments such as for Fuel Level, Battery Condition & Water Temperature and Tachometer etc.

All the vehicles shall be equipped with air-conditioning system, weight sensors and wi-fi compatibility approved by the Engineer/Employer. All the equipment/machinery shall be equipped with Vehicle Trip Counting System (VTCS) being automatically operated without any human involvement. This web-based system shall be accessible through internet

Vehicles shall be equipped with a beacon light (yellow, commercial quality) on roof of driver's cab. to be operated from inside the cabin.

Warranty

The Contractor shall provide warranty for all equipment for a period of one (1) year through authorized local distributor commencing the hand-over and acceptance date to the Employer. No equipment shall be accepted without warranty certificate from the manufacturer (OEM). It shall cover all costs for warranty service, including parts replacement, labour, prompt field service, pick-up, transportation, and delivery. No extra cost shall be admissible for Warranty services.

Functional Description

Vehicle Tracking System

The Vehicle tracking system shall be installed at every moving vehicle The Vehicle Tracking System should have the following features

- Fleet management solution
- Satellite tracking system (GPS) with enhance real time GPRS connectivity
- Solution with nationwide coverage
- 24x7 location on call
- Multiple users' logins
- Geo fence alert
- Battery disconnect alerts
- Vehicle immobilization in case of emergency
- Activity report
- Activity summary report
- Geo fence in/out report (multiple fences)
- Stop report
- Trip wise report
- Mileage report
- Harsh breaking report
- Over speed report
- Live status page (all vehicles live status on one page)
- Bird eye view (graphical reporting)
- Oil change alert (system generated intimation by email) based on tracker kilometers.
- Daily, weekly, monthly, yearly reporting
- Vehicle specific reporting
- Raw data availability (for in-house customized reporting/ data-processing)
- Route/geo-fence violations
- Data shall be provided to company in e-format, as per agreed standards & format
- Complete activity report
- Reports will be fetched against company, category, vehicle type, and town against given time period
- Summary option shall be for day, week, month
- Company geo fence defined in out report
- Trip report detail (during trip start from parking site till pick container then dump at

dumping site) travel time, stop time, number of container pick, mileage and other fields

- Container visited summary
- Dumping site visited report
- Workshop visited report
- Continues driving report
- Area wise speed violation report

Fuel Kit

The fuel kit shall be installed at every moving vehicle. The Fuel Kit should have the following features

- Online fuel monitoring through web portal
- Fuel injection/refilling report (liters) & Fuel consumption vs driven km's report
- Fuel monitoring report
- Online dashboard

Operator Workstation

The minimum configuration of the Operator workstation PCs and the LED Monitors shall be an IBM compatible server computer based on the currently prevailing version of the Intel Core i7 microprocessor. One number Operator workstation shall be installed at control rooms. The minimum configuration of the server shall be as per the following minimum specifications:

- Core i7 8th Generation processor latest version
- Intel series chipset Q370
- 16GB RAM- DDR 4
- 1TB Internal Hard disk drive 7200 RPM 3.5inch
- HDMI port for connection to the High-quality monitor
- DVD/RW drive
- 24" LED monitor FHD with HDMI and VGA
- R/W combination CDR and DVD, Keyboard, Mouse and Peripheral Interface Cards
- Latest MS WINDOWS 10 Professional 64-bit pre- installed Operating System and associated software.
- All components/equipment shall be same brands and shall be OEM Manufacture

4K 55" LED VDU

The 4k 55" LED VDU (video display unit) shall be used to show and monitor all the vehicle routes, speed of travel, distance covered, harsh braking, mileage etc. One number 4k 55" LED VDU shall be installed at control rooms. The minimum configuration of the 4k 55" LED VDU shall be as per the following minimum specifications

- 4k Resolution with HDR (High Dynamic Range),
- 8.3 Million Pixel RGB UHD,
- Quad Core Processor,
- Ethernet LAN Port with wireless Network Card built- in,
- All accessories, wall mounting brackets, Remote, user manual,
- Original manufacturer's with warranty card
- Vehicle Tracking and Monitoring System software shall be installed in Control Room.

TERMS & CONDITION:

- I. The date of commencement of the work will be reckoned from the date of issue of work order and for the purpose of execution of work, the "Contract Agreement" shall be deemed to have been executed from the same date.
- II. Completion schedule/Work Schedule towards completion of work should be provided by the contractor within one week of the issuance of Work Order.
- III. The work must be started within one (1) week from the issuance of work order, otherwise it shall be considered as rescinded automatically. Earnest money and Performance security will be forfeited in favor of MC Wazirabad without issuance of any notice. Further action will also be taken according to contract agreement.
- IV. If any item of work not included in the bid but during execution actually required to be executed, shall be paid after approval of the competent authority.

The work shall be executed in accordance with the availability of funds as required under Rule 2.82 of B&R code. The department will not accept any responsibility for loss sustained by the Contractor due to interruption of work as a result of shortage and funds, delay in supply of material/labour or any other reason whatsoever related for completion of work.

V. In order to ensure quality, following documents on receiving the material and verifying the bill be obtained.

- i. Original Manufacture Confirmation through his Letter Head and Seal.
- ii. Manufacture's Certificate.
- iii. Sales Tax No.
- iv. Gate Pass No.
- v. Delivery Challan No. & Date
- vi. Traceability code No. products (Year, Month, Date, Shift)
- vii. Test report of factory.
- viii. Confirmation from manufacturer regarding originality of documents.

VI. The execution/completion of work shall be strictly in accordance with the specification, approved design/drawing, provision of technically sanctioned estimate and requirements of contract agreement to the entire satisfaction of the Engineer In-Charge will be exclusive responsibility of the Contractor.

VII. All the conditions of "Revised Contract Agreement and amendments upto date & also conditions mentioned the Bid schedule/DNIT will form part of the agreement and binding upon the contractor.

VIII. Provisions of T.S Estimate are to be strictly followed and there shall be no deviation in any case without the prior approval of the competent authority.

IX. Final payment will be released after the testing of machineries and materials with allied work completed as per specification. Testing cost of machinery will be borne by contractor.


X. Machineries shall be arranged by the contractor from the approved manufacturer of concerned Department.

XI. All Taxes will be deducted according to the prevailing Government Rules.

XII. The above mentioned machineries shall be procured on the basis of life cycle cost analysis to be provided by the manufactures. The manufactures shall be responsible for carrying out repair of machineries free of cost for at least three (03) years time period from the date of their operation and warranty to this effect shall be arranged/provided by the contractor from manufacture.

XIII. The contractor will be bound to follow all relevant provincial and federal laws.


Municipal Officer (Infrastructure)
Municipal Committee
Wazirabad


CHIEF OFFICER
Municipal Committee
Wazirabad

No. & Date Even.

A copy is forwarded for information to:-

1. The Administrator, MC, Wazirabad.
2. The Senior Program Officer, PMDFC, Lahore.
3. The Team Leader, Jers Consultants (Pvt) Ltd. Lahore.
4. The concerned Sub-Engineer with direction to get the work started at site through contractor as per approved estimate.