

| BHARAT HEAVY ELECTRICAL LIMITED, JHANSI |                |          |                       |
|-----------------------------------------|----------------|----------|-----------------------|
| Specification No.                       | 10576/R-4      | Item No. | MH-1/7/6328,6329,6330 |
| Location                                | TRM, SPC-Bay-9 | Quantity | THREE NUMBER          |

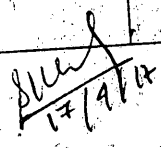
**SCOPE :**  
**SUPPLY & COMMISSIONING OF 03 No. 2 TON BATTERY OPERATED 03 WHEELER PLATFORM TRUCK, COMPLYING AS PER SPECIFICATION BELOW**

**NOTE:**  
 1. VENDOR must submit complete information against clause No. 9.0 (Qualifying condition). The offer meeting this clause would only be processed.  
 2. The "offered" Column and where applicable, the "Deviations" Column of this format shall be filled in by the Vendor and submitted along with the offer. Technical details also submitted with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specification / requirements shall be treated as non-compliance.  
 3. The offer and all documents enclosed with offer should be in English language only.

| SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 2 TON BATTERY OPERATED 03 WHEELER PLATFORM TRUCK |                                                                                                                                                                                                                                                                                                            |                                |         |           |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------|-----------|
| S.NO.                                                                                        | DESCRIPTION FOR BHEL REQUIREMENT                                                                                                                                                                                                                                                                           | SPECIFIED / TO BE CONFIRMED BY | OFFERED | DEVIATION |
| 1.0                                                                                          | <b>PURPOSE</b>                                                                                                                                                                                                                                                                                             |                                |         |           |
| 1.1                                                                                          | 02 TON Capacity battery operated 3 wheeler platform truck is required for transporting of material from outside / inside of the store / shop floor. The truck to be steady and rugged in construction.                                                                                                     | VENDER TO CONFIRM              |         |           |
| 2.0                                                                                          | <b>BRIEF DESCRIPTION</b>                                                                                                                                                                                                                                                                                   |                                |         |           |
| 2.1                                                                                          | Battery operated 3 wheeler platform truck with fixed hight platform, with suitable suspension, chequered plate along with battery and battery charger. Loading Capacity - 2000 Kg, fitted with driver seat, Head light, Electric horn/Buzzer, etc.                                                         | VENDER TO CONFIRM              |         |           |
| 3.0                                                                                          | <b>CONFIGURATION</b>                                                                                                                                                                                                                                                                                       |                                |         |           |
| 3.1                                                                                          | <b>LOADING PLATFORM</b>                                                                                                                                                                                                                                                                                    |                                |         |           |
| 3.1.1                                                                                        | Loading platform is to be provided with the truck of 2000 Kg loading capacity with fixed hight platform.                                                                                                                                                                                                   | VENDER TO CONFIRM & SPECIFY    |         |           |
| 3.2                                                                                          | <b>BRAKES:</b>                                                                                                                                                                                                                                                                                             |                                |         |           |
| 3.2.1                                                                                        | Both, foot and hand operated brakes to be provided.                                                                                                                                                                                                                                                        | VENDER TO CONFIRM & SPECIFY    |         |           |
| 3.3                                                                                          | <b>CONTROLS</b>                                                                                                                                                                                                                                                                                            |                                |         |           |
| 3.3.1                                                                                        | Motion control with For/Rev. selector switch. Horn, Front & Back light, Emergency switches to be mounted on dash board. Accelerator & Break Hydraulic / Mechanical are foot operated.                                                                                                                      | VENDER TO CONFIRM & SPECIFY    |         |           |
| 3.4                                                                                          | <b>WHEELS</b>                                                                                                                                                                                                                                                                                              |                                |         |           |
| 3.4.1                                                                                        | The truck to be provided with a solid non-skid rubber wheels/Tyre.                                                                                                                                                                                                                                         | VENDER TO CONFIRM              |         |           |
| 3.5                                                                                          | <b>DRIVE</b>                                                                                                                                                                                                                                                                                               |                                |         |           |
| 3.5.1                                                                                        | Motor Drive                                                                                                                                                                                                                                                                                                | VENDER TO CONFIRM              |         |           |
| 3.5.2                                                                                        | Motor Power rating (Voltage & Watt)                                                                                                                                                                                                                                                                        | VENDER TO SPECIFY              |         |           |
| 3.5.3                                                                                        | Speed Control : With Electronic Drive/ Resistive Divider                                                                                                                                                                                                                                                   | VENDER TO SPECIFY              |         |           |
| 3.6                                                                                          | <b>LUBRICATION</b>                                                                                                                                                                                                                                                                                         |                                |         |           |
| 3.6.1                                                                                        | A suitable lubrication system would be provided so that the gears remain continuously lubricated.                                                                                                                                                                                                          | VENDER TO CONFIRM              |         |           |
| 3.7                                                                                          | <b>OPERATOR SEAT</b>                                                                                                                                                                                                                                                                                       |                                |         |           |
| 3.7.1                                                                                        | comfortable seat will be provided.                                                                                                                                                                                                                                                                         | VENDER TO CONFIRM              |         |           |
| 3.8                                                                                          | <b>BATTERY:</b>                                                                                                                                                                                                                                                                                            |                                |         |           |
| 3.8.1                                                                                        | Suitable Heavy Duty Traction Battery at 5 Hrs. rate of discharge Capacity.                                                                                                                                                                                                                                 | VENDER TO SPECIFY              |         |           |
| 3.8.2                                                                                        | Full details of Battery, working Voltage, Capacity(AH Value) & Make etc.                                                                                                                                                                                                                                   | VENDER TO CONFIRM & SPECIFY    |         |           |
| 3.9                                                                                          | <b>BATTERY CHARGER</b>                                                                                                                                                                                                                                                                                     |                                |         |           |
| 3.9.1                                                                                        | Automatic battery charger suitable for the above battery, complete with automatic termination of charge after equilisation and suitable for 220 V A/C OR 440 V, A/C in put supply, is also to be supplied. The charger should have plug and socket type arrangement for charging the truck battery easily. | VENDER TO CONFIRM              |         |           |
| 3.10                                                                                         | <b>SIGNAL LAMP, HEAD LIGHT &amp; WARNING SIGNAL</b>                                                                                                                                                                                                                                                        |                                |         |           |
| 3.10.1                                                                                       | Suitable Head light, Red tail lamp, Buzzer/Horn arrangement to be provided                                                                                                                                                                                                                                 | VENDER TO CONFIRM              |         |           |
| 4.0                                                                                          | <b>SPECIFICATION:</b>                                                                                                                                                                                                                                                                                      |                                |         |           |
| 4.1                                                                                          | Capacity : 2000 Kgs.                                                                                                                                                                                                                                                                                       | VENDER TO SPECIFY              |         |           |
| 4.2                                                                                          | Loading platform size : 1500mm x1000 mm (min.)                                                                                                                                                                                                                                                             | VENDER TO SPECIFY              |         |           |
| 4.3                                                                                          | Outside turning radius : 2500 mm (Max.)                                                                                                                                                                                                                                                                    | VENDER TO SPECIFY              |         |           |
| 4.4                                                                                          | Travel speed (Loaded) : 6 to 7 Km/hr.                                                                                                                                                                                                                                                                      | VENDER TO SPECIFY              |         |           |
| 4.5                                                                                          | Platform loading height : not less than 450 mm                                                                                                                                                                                                                                                             | VENDER TO SPECIFY              |         |           |
| 4.6                                                                                          | Wheel Base                                                                                                                                                                                                                                                                                                 | VENDER TO SPECIFY              |         |           |
| 4.7                                                                                          | Tyre Size                                                                                                                                                                                                                                                                                                  | VENDER TO SPECIFY              |         |           |
| 4.8                                                                                          | Over all height                                                                                                                                                                                                                                                                                            | VENDER TO SPECIFY              |         |           |
| 4.9                                                                                          | Over all length                                                                                                                                                                                                                                                                                            | VENDER TO SPECIFY              |         |           |
| 4.10                                                                                         | Over all width                                                                                                                                                                                                                                                                                             | VENDER TO SPECIFY              |         |           |
| 4.11                                                                                         | Make of 03 Wheeler. Platform truck                                                                                                                                                                                                                                                                         | VENDER TO SPECIFY              |         |           |

*(Signature)*  
 (धीरेन्द्र कुमार)  
 प्रबन्धक (टी०आर०एम०)  
 ज०आर०ई०एल०. झाँसी

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| SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 2 TON BATTERY OPERATED 03 WHEELER PLATFORM TRUCK |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                         |                                                                                                  |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| S.NO.                                                                                        | DESCRIPTION FOR BHEL REQUIREMENT                                                                                                                                                                                                                                                                                                                                 | SPECIFIED / TO BE CONFIRMED BY                                                                                          | OFFERED                                                                                          |
| 4.12                                                                                         | Model of 03 Wheeler Platform truck                                                                                                                                                                                                                                                                                                                               | VENDER TO SPECIFY                                                                                                       |                                                                                                  |
| 4.13                                                                                         | Service Break -Hydraulic/Mechanical                                                                                                                                                                                                                                                                                                                              | VENDER TO SPECIFY                                                                                                       |                                                                                                  |
| 4.14                                                                                         | Parking break - Hand operated                                                                                                                                                                                                                                                                                                                                    | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
| 5.0                                                                                          | FOLLOWING DETAILS TO BE SUBMITTED WITH THE OFFER                                                                                                                                                                                                                                                                                                                 |                                                                                                                         |                                                                                                  |
| 5.1                                                                                          | Power transmission system Belt/Gear/Chain                                                                                                                                                                                                                                                                                                                        | VENDER TO SPECIFY                                                                                                       |                                                                                                  |
| 5.2                                                                                          | Sheet thickness of the Loading platform                                                                                                                                                                                                                                                                                                                          | VENDER TO SPECIFY                                                                                                       |                                                                                                  |
| 5.3                                                                                          | Power consumption                                                                                                                                                                                                                                                                                                                                                | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
| 5.4                                                                                          | List of standard accessories/Tool kit to be supplied with platform truck                                                                                                                                                                                                                                                                                         | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
| 5.5                                                                                          | Relevant technical catalogues, literature, dimensional details, outline general arrangement drawing must be submitted with offer                                                                                                                                                                                                                                 |                                                                                                                         |                                                                                                  |
| 6.0                                                                                          | INSPECTION / TESTING                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |                                                                                                  |
| 6.1                                                                                          | The equipment shall be tested/ inspected by BHEL engineer at suppliers works before dispatch                                                                                                                                                                                                                                                                     | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
| 7.0                                                                                          | GURANTEEE                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |                                                                                                  |
| 7.1                                                                                          | The equipment is to be guaranteed in respect of material, construction and operation and against any manufacturing defect for a period of 24 months from the date of commissioning. Any parts of units found defective have to be replaced free of cost.                                                                                                         | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
| 8.0                                                                                          | MISCELANIOUS                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                         |                                                                                                  |
| 8.1                                                                                          | Three copies of test, operation Drawing, maintenance manual & spare part list to be supplied with the platform truck.                                                                                                                                                                                                                                            | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
| 8.2                                                                                          | Not withstanding anything, the details in this specification, if any thing else is required for its functioning, the same shall be specifically brought out & indicated.                                                                                                                                                                                         | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
| 8.3                                                                                          | Commissioning of 02 Ton Battery Operated 03 Wheeler Platform Truck will be done by supplier at BHEL Jhansi                                                                                                                                                                                                                                                       | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
| 9.0                                                                                          | QUALIFYING CONDITION                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |                                                                                                  |
| 9.1                                                                                          | Only OEM/Authorised dealer(OEM / Authorisation certificate must be submitted with offer) who have supplied at least 05 Nos.Battery operated platform truck of 02 TON or higher capacity in the past five year, should quote. The following information is to be submitted by the Vendor. This is required from all the vendors for qualification of their offer. | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
|                                                                                              | A. Name of the customer / company where similar platform truck is supplied.                                                                                                                                                                                                                                                                                      | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
|                                                                                              | B. Complete postal address of the customer.                                                                                                                                                                                                                                                                                                                      | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
|                                                                                              | C. Year of supply / commissioning.                                                                                                                                                                                                                                                                                                                               | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
|                                                                                              | D. Name and designation of the contact person of the customer.                                                                                                                                                                                                                                                                                                   | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
|                                                                                              | E. Phone, FAX, no and E-mail address of the contact person of the customer.                                                                                                                                                                                                                                                                                      | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
|                                                                                              | F. P.O COPY & DESPATCH DOCUMENT/ COMMISSIONING DOCUMENT                                                                                                                                                                                                                                                                                                          | VENDER TO SUBMIT                                                                                                        |                                                                                                  |
| 10.0                                                                                         | BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.                                                                                                                                                                                                        | VENDER TO CONFIRM                                                                                                       |                                                                                                  |
|                                                                                              | <br>Y.K.Dhingra<br>Dy.Mgr.(WEX)                                                                                                                                                                                                                                               | <br>S.J.Chakraborty<br>A.G.M. (WEX) | <br>17/9/18 |

(धरेंद्र कुमार)  
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