

### RA Document

| RA Details   |   |
|--|---|
| RA Technical End Date/Time                             | 27-07-2020 17:00:00   |
| RA Opening Date/Time                                   | 27-07-2020 17:30:00   |
| RA Life Cycle (From Publish Date)                      | 90 (Days)   |
| RA Offer Validity (From End Date)                      | 30 (Days)   |
| Ministry/State Name                                    | Ministry Of Human Resource Development  |
| Department Name  | Department Of School Education And Literacy   |
| Organisation Name                                      | Kendriya Vidyalaya Sangathan (kvs)  |
| Office Name  | Kendriya Vidyalaya Ara  |
| Total Quantity   | 1   |
| Item Category  | rollers smooth wheeled diesel road rollers  |
| MSE Exemption for Years of Experience and Turnover     | No  |
| Startup Exemption for Years of Experience and Turnover | No  |
| Document required from seller                          | OEM Authorization Certificate<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| Inspection Required                                    | No  |

### EMD Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

### ePBG Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

### Splitting

RA splitting not applied.

### Rollers Smooth Wheeled Diesel Road Rollers ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

| Specification      | Specification Name  | Values  | Bid Requirement (Allowed Values)            |
|--------------------|---|---|---|
| Generic Parameters | Conformity to Indian Standrad for General requirements for Smooth Wheeled Diesel Road Rollers | IS:5502 latest  | *   |
|                    | Type  | Three Wheeled Type powered by Water cooled diesel Engine. | *   |
|                    | <b>Nominal Weight(unballasted) (Tonnes)</b>   | 4   | 4   |
|                    | <b>Operating Weight( unballasted) (5% of nominal weight) (Tonnes)</b>                         | 1   | Any applicable numeric value                |
|                    | <b>Ballasting(20 to 30 percent of Nominal Weight) (Tonnes)</b>                                | 1000  | Any applicable numeric value                |
|                    | Class B Diesel Engine Conforming to IS:10000 ( part-7) latest                                 | Yes   | *   |
|                    | <b>Engine Capicity at 1500 rpm (BHP)</b>  | 27  | 27, 33.5, 41                                |
|                    | Electric srtaring battery   | 12V135AH min,at 20hrs rating                              | *   |
|                    | Engine Cooling  | Water Cooled  | *   |
|                    | Radiator of adeqate capacity  | Yes   | *   |
|                    | <b>Steering</b>   | Mechanical  | Power, Mechanical                           |
|                    | <b>Transmission and Clutch</b>  | Hydraulic   | Hydraulic, Mechanical                       |
|                    | <b>No. of Forward Gears (Nos)</b>   | 3   | 3, 4  |
|                    | <b>No of Reverse Gears (Nos)</b>  | 3   | 3, 4  |
|                    | <b>Road forward and reverse Speeds for Power Transmission at first gear (Km/Hr)</b>           | 1.5-1.9 For 4 tonne                                       | 1.5-1.9 For 4 tonne, 1.70-2.25 For 8 tonne  |
|                    | <b>Road forward and reverse Speeds for Power Transmission at Second gear</b>                  | 2.50-3.0 For 4 tonne                                      | 2.50-3.0 For 4 tonne, 2.75-3.50 For 8 tonne |

|   |                       |  |
|---|-----------------------|--|
| <b>(Km/Hr)</b>  |                       |  |
| Road forward and reverse Speeds for Power Transmission at third gear (Km/Hr)                              | 6.0 to 10 For 8 tonne | *                                      |
| <b>Ballasted Weight with Sand Ballast (Kg)</b>  | 1000                  | Any applicable numeric value           |
| <b>Ballasted Weight with Water Ballast (Kg)</b>   | 1000                  | Any applicable numeric value           |
| <b>Ballasted Weight at equalizing Pressure (Kg)</b>   | 1000                  | Any applicable numeric value           |
| <b>Designed Max speed (Km/Hr)</b>   | 3                     | Any applicable numeric value           |
| <b>Wheel base (mm)</b>  | 1000                  | Any applicable numeric value           |
| <b>Turning Radius ,inner (mm)</b>   | 2900 for 4 tonne      | 2900 for 4 tonne, 3450 for 8 tonne     |
| <b>Turning Radius ,outer (mm)</b>   | 4400 for 4 tonne      | 4400 for 4 tonne, 5800 for 8 tonne     |
| <b>Turning Space (mm)</b>   | 2000                  | Any applicable numeric value           |
| Fuel Consumption (Litres/Hr)  | -                     | *                                      |
| <b>Fuel Tank Capacity(for min 8 hrs on full load)(liters)</b>   | 4                     | Any applicable numeric value           |
| <b>Sprinkler tank Capacity(min) (litres)</b>  | 100 for 4 tonne       | 100 for 4 tonne, 200 for 8 tonne       |
| <b>Hydraulic oil tank capacity,if used (litres)</b>   | 20                    | Any applicable numeric value           |
| <b>Gradient of 1 in 5 at first gear speed in forward or reverse drive on firm, hard and even sub-soil</b> | Yes                   | Yes                                    |
| Fully self wrapping, expanding/contracting brakes   | band type             | *                                      |
| <b>Brake drum Control</b>   | By lever              | By Foot pedal, By hand Wheel, By lever |
| Vehicle Emission Compliance as per  | Yes                   | *                                      |

|                           |  |      |                              |
|---------------------------|--|------|------------------------------|
|                           | latest government gazette notification   |      |                              |
| Certification Parameters  | Capacity of machine will also certified by ILAC NABL GOVT LAB  | Yes  | *                            |
|                           | Availability of Type Test Report covering all test parameters as per IS 5502 and for Diesel Engine to IS:10000 (PT-7) latest and claims in the product on GeM from any ILAC/NABL accredited/Central GovLAB | Yes  | *                            |
|                           | Test cetificate No.  | -    | *                            |
|                           | Teat Report Date   | -    | *                            |
|                           | Name of the Lab where test Conducted.  | -    | *                            |
|                           | Safety Requirement as IS 5502 latest   | Yes  | *                            |
| Performance Parameters    | Warranty (Years)   | 1    | *                            |
| Constructional Parameters | <b>Rolling Width (mm)</b>  | 1000 | Any applicable numeric value |
|                           | <b>Diameter of rear Rolls (mm)</b>   | 650  | Any applicable numeric value |
|                           | <b>Width of rear rolls (mm)</b>  | 1000 | Any applicable numeric value |
|                           | <b>Diameter of Front Rolls (mm)</b>  | 650  | Any applicable numeric value |
|                           | <b>Width of front rolls (mm)</b>   | 1000 | Any applicable numeric value |
|                           | <b>Overall length of road roller (mm)</b>  | 2000 | Any applicable numeric value |
|                           | <b>Overall height of awning/cabin (mm)</b>   | 1500 | Any applicable numeric value |
|                           | <b>Overall height of without awning/cabin (mm)</b>   | 1200 | Any applicable numeric value |
|                           | The road roller equipped the clutch with heavy Automotive double acting single plate quick release type controlled by a single hand lever  | Yes  | *                            |

|   |     |   |
|---|-----|---|
| Electrical and hand crank starting arrangement  | Yes | * |
| Materials used for construction of Road Roller conforming to requirement of IS 5502 latest  | Yes | * |
| Cold starting arrangement for starting at -30 deg C   | Yes | * |
| Ammeter oil pressure gauge oil temperature gauge, water temperature gauge fuel gauge and hour meter   | Yes | * |
| Awning  | Yes | * |
| Water sprinkler and tanks with sprinkling system  | Yes | * |
| Pressure balancing arrangement  | Yes | * |
| Scraper   | Yes | * |
| Tool Box with a set of Tools and instruction manual   | Yes | * |
| Lifting Jack of minimum 10 tonnes capacity  | Yes | * |
| Driver Seat an adjustable and comfortable with clear vision at all sides of machine from his sitting position   | Yes | * |
| Control a) Starting and stopping arrangement for prime mover b ) Gear shifting lever c) Parking break lever d) Forward or reverse clutch e) pedal break f) water Sprinkler valves g) Accelerating lever h )Hand steering wheel j) Different Lock K) Heater button (cold starting device )if required m) Control for wiper if fitted | Yes | * |
| Standard Tools spares and accessories   | Yes | * |

- \* Specifications highlighted in bold are the Golden Parameters.
- \* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

### **Additional Specification Documents**

#### **Consignee/Reporting Officer and Quantity**

| S.No. | Consignee/Reporting Officer | Address   | Quantity | Delivery Days |  |
|-------|-----------------------------|---|----------|---------------|--|
| 1     | Shivashish Shukla           | 802302,Kendriya Vidyalaya Ara, P.O. Anaith, Ziro Mile, Bhojpur, Arrah, Bihar Pin 802301 | 1        | 30            |  |

#### **Special terms and conditions for category rollers smooth wheeled diesel road rollers**

1. Only bid /RA option will be available for buyer as these equipments are not standard and freight Intensive product.
2. Test reports if any, desired by buyer will be provided by seller at the time of supply.
3. Operational and maintenance contract if desired by buyer will be provided as per their requirement.
4. Delivery period will be 90 days (normal).

### **Bid Specific Additional Terms and Conditions**

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

[This RA is also governed by the General Terms and Conditions](#)

**---Thank You---**