

### RA Document

| RA Details   |   |
|--|---|
| RA Technical End Date/Time                             | 11-07-2020 18:00:00   |
| RA Opening Date/Time                                   | 11-07-2020 18:30:00   |
| RA Life Cycle (From Publish Date)                      | 90 (Days)   |
| RA Offer Validity (From End Date)                      | 75 (Days)   |
| Ministry/State Name                                    | Ministry Of Coal  |
| Department Name  | Materials Management  |
| Organisation Name                                      | Northern Coalfields Limited   |
| Office Name  | Singrauli   |
| Total Quantity   | 3   |
| Item Category  | fire fighting and hydraulic rescue platform   |
| MSE Exemption for Years of Experience and Turnover     | No  |
| Startup Exemption for Years of Experience and Turnover | No  |
| Document required from seller                          | Certificate (Requested in ATC), 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

|                   |                     |
|-------------------|---------------------|
| Advisory Bank     | State Bank of India |
| EMD Percentage(%) | 2.00                |
| EMD Amount        | 119933              |

### ePBG Detail

|                                     |                     |
|-------------------------------------|---------------------|
| Advisory Bank                       | State Bank of India |
| ePBG Percentage(%)                  | 10.00               |
| Duration of ePBG required (Months). | 42                  |

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting

document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

HEAD QUARTER, SINGRAULI

Singrauli, Materials Management, Northern Coalfields Limited, Ministry of Coal  
(Northern Coalfields Limited)

**Splitting**

RA splitting not applied.

**Fire Fighting And Hydraulic Rescue Platform ( 3 pieces )**

**Technical Specifications**

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

| Specification | Specification Name                                 | Values   | Bid Requirement (Allowed Values)   |
|---------------|--|--|--|
| Generic       | <b>Fire Fighting and Hydraulic Rescue Platform</b> | The Hydraulic Platform shall be designed specifically for fire fighting and rescue work. The entire unit shall be mounted on a Turntable on a CMVR certified BS-IV compliant Chassis. The Truck Chassis complete with Company Built Cabin and PTO Unit are included under this equipment | The Hydraulic Platform shall be designed specifically for fire fighting and rescue work. The entire unit shall be mounted on a Turntable on a CMVR certified BS-IV compliant Chassis. The Truck Chassis complete with Company Built Cabin and PTO Unit are included under this equipment |
|               | <b>Maximum Working Height from Ground level</b>    | 22   | 22.0   |
|               | Type of Fuel                                       | Diesel   | *  |
|               | Power Take Off (PTO Unit) Type                     | -  | *  |
|               | Main Boom Configuration                            | -  | *  |
|               | Number of Booms                                    | 2  | *  |

|                                |  |                          |                          |
|--------------------------------|--|--------------------------|--------------------------|
|                                | Number of Telescopic Sections  | 2                        | *                        |
|                                | <b>Cage Capacity with Dry Monitor</b>  | 500                      | 500.0                    |
|                                | Cage Capacity with Monitor delivering 3000 LPM   | 500                      | *                        |
|                                | <b>Water Monitor capacity in (LPM)</b>   | 3000                     | Above 3000               |
|                                | Maximum Cage floor height from Ground level  | 1.25                     | *                        |
|                                | Maximum reach from Slew centre to Cage corner at full rated load   | 14                       | *                        |
|                                | <b>Slewing (degrees plus endless, continuous in both directions)</b>   | 360                      | 360.0                    |
|                                | Standard Sparewheel, Tool Kit, First Aid Kit   | YES                      | *                        |
|                                | List of Standard Accessories provided  | YES                      | *                        |
|                                | Optional Accessory - Portable Pump 1500 LPM @ approx 9 Bar   | Yes                      | *                        |
|                                | Availability of Drawing and Service Manual   | YES                      | *                        |
|                                | Transportation Charge in Rupees Per Km   | 50                       | *                        |
|                                | <b>Outreach management as per manufacturer's design shall be controlled automatically by</b>                                 | Electro Hydraulic System | Electro Hydraulic System |
|                                | <b>Computer Override Mechanism for operations even in case of failure or malfunction of the Computer Aided safety system</b> | NA for 22-m              | NA for 22-m              |
| Constructional and Performance | Make & Model No of Chassis   | -                        | *                        |
|                                | Emission Norms   | BSIV                     | *                        |
|                                | Chassis with Built up Cabin for Driver   | YES                      | *                        |

|  |                  |              |
|--|------------------|--------------|
| <b>Engine Power Max</b>  | 170              | 170.0, 171.0 |
| Engine Torque Max  | -                | *            |
| Wheelbase  | 3100             | *            |
| <b>Drive</b>   | 2-WD             | 2-WD         |
| Fuel Tank Capacity   | 60               | *            |
| <b>Overall Stowed Length</b>   | 12               | 12.0         |
| Overall Stowed Width   | 2.5              | *            |
| Overall Stowed Height  | 4                | *            |
| <b>Overall Width (with all outriggers fully extended)</b>  | 2055             | Up to 7.5    |
| <b>Overall Width (with one side jacking)</b>   | 2257             | Up to 5.5    |
| Static Stability of fully built up Unit on Chassis to incline of   | 15               | *            |
| <b>Turning Circle Radius</b>   | 12               | Up to 12     |
| Gradeability (%)   | 20               | *            |
| Maximum Speed (km/hr)  | 80               | *            |
| Front overhang of the Built Up Unit  | 1                | *            |
| Rear overhang of the Built Up Unit (in % of wheelbase)   | 60               | *            |
| <b>Overall Weight of Built Up Unit shall not exceed Chassis GVW</b>  | YES              | YES          |
| Maximum penetration of outrigger base plate below firm horizontal ground suitable to level vehicle on incline of | 7                | *            |
| Spirit level indicator provided  | Yes              | *            |
| Cage Dimensions Outer +/- 5% approx 1045x2050x1150 (LxWxH) (in mm)   | -                | *            |
| Independent Cage Slewing (left and right)  | 45               | *            |
| Mounting of Cage for Up and Down   | Through Tip Boom | *            |

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| movement  |   |   |
| The cage must be horizontal in all operating positions through an electronically (or hydraulic) controlled levelling mechanism                    | Yes   | *   |
| Additional switch/ lever control shall be provided in the cage to allow operator to adjust the cage level   | Yes   | *   |
| Water Monitor Type  | Water cum Foam  | *   |
| Water spray curtain system for protection from radiant heat   | Yes   | *   |
| Boom shall be Box-type section made of corrosion resistant high strength steel grade FE540 to IS 2062 reaffirmed 2000/ ST55 to IS 961 or Superior | Yes   | *   |
| <b>Welding Process for fabrication work</b>   | mig welding   | migwelding  |
| <b>In operating position, the Unit shall be stabilized on 4 nos H-type (hydraulic out and down type) outriggers</b>                               | Yes, outriggers having sufficient power and stroke to lift all wheels of the vehicle off firm level ground                    | Yes, outriggers having sufficient power and stroke to lift all wheels of the vehicle off firm level ground                    |
| <b>Operating Position - Option 1</b>  | All 4 outriggers are extended fully horizontally: Slew through full circle permitted, unlimited, endless, continuous          | All 4 outriggers are extended fully horizontally: Slew through full circle permitted, unlimited, endless, continuous          |
| <b>Operating Position - Option 2</b>  | Outriggers on left side extended horizontally fully but not fully on right side of vehicle: Slew permitted on left side only  | Outriggers on left side extended horizontally fully but not fully on right side of vehicle: Slew permitted on left side only  |
| <b>Operating Position - Option 3</b>  | Outriggers on right side extended horizontally fully but not fully on left side of vehicle: Slew permitted on right side only | Outriggers on right side extended horizontally fully but not fully on left side of vehicle: Slew permitted on right side only |

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| Outreach management as per Manufacturers design shall be controlled automatically by a combination of electrical, mechanical and/ or hydraulic safety systems   | YES   | * |
| There shall be an on-board computer system, which receives geometric information through redundant (dual information) sensors   | NA for 22-m   | * |
| Digital cage load display, with alarm and cut-off indicating overload, irrespective of reach, height or position of the hydraulic platform with 20% overload allowance (ie load in cage not to exceed 600kgs) | YES   | * |
| Electro-hydraulic proportional joysticks for controlled and simultaneous movements of booms and slew shall be provided  | YES   | * |
| Automatic stops to prevent platforms from reaching unsafe area of operation shall be provided   | YES   | * |
| The equipment shall be powered by a double hydraulic pump powered by the vehicle engine through PTO unit  | YES   | * |
| When one of the booms or slew movement is operated, the control valve shall automatically increase the pressure and oil flow to the extent needed for the movement activated                                  | Yes, and when hydraulic platform is not in operation, the pump shall operate on minimum flow and minimum pressure | * |

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| The main platform control levers shall allow for a progressive control at infinite variable speed from creep to maximum and proportional to the joystick lever position  | YES                    | * |
| The system shall be equipped with an inbuilt provision to provide smooth start or stop controls for relatively jerkfree operation, providing automatically for a progressive acceleration or deceleration of the main platform movements | YES                    | * |
| All controls shall be of 'Deadman' type and return automatically to neutral position, stopping the motion if the control is abandoned  | YES                    | * |
| Deadman Switch type  | Integrated in Joystick | * |
| 3 sets of displays (at outrigger, turntable and cage control stations) on backlit colour monitors of at least 14cm size, which shall dynamically display information about   | NA for 22-m            | * |
| Minimum inner diameter of the telescopic waterway made of stainless steel/ aluminium   | 75                     | * |
| There shall be a 63mm inlet with closing valves on the rear of the vehicle, from where the line leads through the centre post, turntable and upto the water monitor in cage  | YES                    | * |
| The piping shall be simultaneously   | YES                    | * |

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| protected from possible over pressure by means of relief valve mounted underneath the turntable  |  |   |
| Moving sections of the water pipe shall be thoroughly ground and chromium plated/ anodized   | YES  | * |
| An additional outlet with 63mm closing valve and coupling for water supply from the cage shall be provided for extension hoses                                   | YES  | * |
| There shall be a drain cock fitted in the pipe to enable it to drain the water after use   | YES  | * |
| An inter-communication system shall be fitted between the turn-table and the cage  | YES  | * |
| There shall be an electric siren unit with hooter fitted on the roof of the vehicle cab  | Yes, Control panel of the system is located in the driver's cab with switches for the fast (Yelp) and slow (wail) sounds | * |
| Command microphone with push to talk switch shall allow the public address message to override the siren function  | YES  | * |
| Compressed breathing air supply from turntable to the cage shall be provided through a four way manifold at the cage along with four breathing air masks at cage | Yes, 4 nos. 6 litres 300 bar air cylinders is provided at the turntable  | * |
| It must be possible to change the cylinders without interrupting the air supply; pressure regulator shall also be incorporated in the system                     | YES  | * |



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| Electric supply shall be taken from the chassis battery, which shall be charged when the engine is running  | 12   | * |
| The Telescopic Rescue Ladder System   | Shall be provided attached on to main boom structure at several points throughout its length and front end in the telescopic sections that shall allow direct continuous rescue way with cross or no cross over platform or similar obstacle | * |
| Telescopic Rescue Ladder System - Distance between each rung  | 280  | * |
| Each rung of the ladder shall be able to support load without any permanent distortion  | 300  | * |
| Spot Light at Cage railing and at Rear of body shall be provided  | 2  | * |
| Rotating Beacons: Two rotating blue beacon lights, one on each side of the driver cab roof shall be provided  | YES  | * |
| Painting : All surfaces of steel structure and hollow structures shall be chemically/ mechanically cleaned for rust removal, after which they shall be primed All booms shall be painted from inside also | Yes, paint shades shall be provided as specified by the customer   | * |
| Storage lockers shall be sufficient for all equipments which are required to be carried on the appliance including as below:  | YES  | * |
| Flexible rubber suction hoses of 100 mm dia each and 3 m length   | 4 nos.   | * |

|                                  |   |   |              |
|----------------------------------|---|---|--------------|
|                                  | Canvas delivery hoses of 63mm dia and each of 15 m unfolded length  | 2 nos.  | *            |
|                                  | Metal outrigger ground plates with brackets   | 4 Nos   | *            |
|                                  | Portable oil pressure gauge attached to 1 m long hydraulic hose   | 1 no.   | *            |
|                                  | Drop down Stretcher carrier of 180 Kgs capacity for injured persons to be rescued   | 1 no.   | *            |
|                                  | Working range diagram, one at the turn-table, and one in the working cage, hard copy  | 2 nos.  | *            |
|                                  | Plug for 12/24 volts working light at the turn-table and in the cage  | 1 no. each  | *            |
|                                  | Lifting hook under the working cage 500 kg capacity   | YES   | *            |
|                                  | Anchorage points for safety harnesses for 4 persons in the cage   | YES   | *            |
| Safety and Inspection Parameters | <b>The Hydraulic Platform shall comply with the Safety requirements and features as per EN1777 norms and other national/ international norms &amp; standard</b> | YES   | YES          |
|                                  | <b>Test Load for Stability at full outreach</b>   | 750   | 750.0, 800.0 |
|                                  | Max Safe Operating Wind Speed at Max Height/ Reach and Rated Cage Load ( in m/sec)  | 12.5  | *            |
|                                  | Electronic Auto-Leveling of Vehicle   | Yes, through single push button to level Vehicle upto an accuracy of 0.5 degrees, operation not allowed if vehicle is not | *            |

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|   | in level position  |  |
| Automatic Slew Restriction, depending on outrigger position   | Yes, it shall automatically prohibit the slew movement on the side where the outriggers have not been fully extended | *  |
| Interlock to prevent boom operation, unless outriggers are deployed and vehicle levelled  | YES  | *  |
| Interlock to prevent outrigger movement unless the Platform is fully stowed   | YES  | *  |
| Cage collision guard with automatic cut-off and possibility to override the cut-off as decided by operator in cage  | YES  | *  |
| Display of cage load and alarm if load is exceed and automatic cut-off  | YES  | *  |
| Indication in driver's cabin for PTO, locker open, outrigger stowed position so that driver knows that it is safe to drive after completion of all operations | Yes, visible only when PTO lever is engaged  | *  |
| Automatic cut-off and alarm in case any outrigger loses contact with ground   | YES  | *  |
| Static Stability of the equipment, duly mounted on the chassis, in transport position, shall be stable upto 15 degree incline or higher                       | YES  | *  |
| <b>Test to verify if the outriggers are designed to level the vehicle on slope of 7 degree in both longitudinal and transverse directions</b>                 | Yes, the level shall be measured with a digital inclinometer and the error in leveling shall not exceed 0.5 degree   | Yes, the level shall be measured with a digital inclinometer and the error in leveling shall not exceed 0.5 degree |

|   |   |               |                               |
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|   | Pressure overload protection for hydraulic pumps through pressure relief valve in main control valve shall be provided                      | YES           | *                             |
|   | All cylinders shall be provided with load holding valves to prevent boom crash in case of hose failure                                      | YES           | *                             |
|   | Restrictor valves for slow descent in the event of lock valve failure   | YES           | *                             |
|   | Emergency cut off device at turntable and at the cage to cut off all functions, with easy restoration                                       | YES           | *                             |
|   | <b>Emergency backup system with auxilliary hydraulic pump for stowing the equipment in case of Main pump, PTO or vehicle engine failure</b> | Engine Driven | Engine Driven, Battery Driven |
|   |   |               |                               |
| Certifications, Self Declaration and Test Reports | ARAI/ VRDE/ ICAT No of the Chassis for compliance to CMVR '1989 and any amendments  | -             | *                             |
|   | Form 22 A - For compliance with pollution standards, safety standards of components and road worthiness as per CMVR Rules                   | -             | *                             |
|   | Fire fighting and hydraulic rescue platform certification from ARAI/VRDE/ICAT as a complete product including chasises (Indian / Imported)  | YES           | *                             |
|   | ARAI/VRDE/ICAT certification number   | -             | *                             |
|   | ARAI/VRDE/ICAT certification date   | -             | *                             |
|   | Spares and Service  | YES           | *                             |

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|---|-----|-----|
| support shall be available locally for minimum 7 years by its OEM or authorised Dealer  |     |     |
| Certification of complete system for Safety requirements and features as per EN1777 norms and other national/ international norms & standards   | -   | *   |
| <b>Inspection Report / Test Certificate from any Govt organization in India verifying the safety systems as listed in the Safety and Inspection Parameter section shall be provided</b>   | YES | YES |
| <b>Test Reports from Central Govt/ NABL/ ILAC accredited lab for Mechanical Test (as per ASTM A 370:2014 or IS 1608:2005) and Chemical Analysis (as per ASTM E 415:2014) confirming to ST55 to IS916 or similar Indian Standard</b> | YES | YES |
| <b>Test Reports from Central Govt/ NABL/ ILAC accredited lab for Welding Quality</b>  | YES | YES |
| Manufacturer shall provide Test Certificates for safety systems which require dismantling/ reassembly   | YES | *   |
| Manufacturer's Test Certificates for various bought out items/ components shall be provided   | YES | *   |
| <b>Warranty Time (in years)</b>   | 3   | 3   |

|                                    |     |   |
|------------------------------------|-----|---|
| Number of Free Service             | 2   | * |
| Training and Commissioning at site | 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     | Immanuel Diwakar Bakki      | 231224,REGIONAL STORES, KAKRI PROJECT, NCL, PO - KAKRI, DISTT - SONBHADRA UP 231224 | 1        | 90            | N/A |
| 2     | Gyaneshwar Nath             | 486890,REGIONAL STORES, JAYANT PROJECT, NCL, PO - JAYANT, DISTT - SINGRAULI M.P.    | 1        | 90            | N/A |
| 3     | Alok Kumar Sinha            | 486890,CENTRAL STORES, JAYANT COLLIERY, PO - JAYANT, DISTT - SINGRAULI M.P.         | 1        | 90            | N/A |

### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
3. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
4. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 10 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

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

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