

## Technical specification of Come Along 1.5 Ton Capacity

### (A) Eligibility Criteria:

- (i) The bidder/manufacturer must have supplied at least 02 no's of Come Along 1.5 Ton Capacity or similar in last 5 years (to be reckoned from the original date of tender closing) to Indian Railway (or) any other Central (or) State organizations (or) PSUs of Central or State Govt. undertakings. Statement of past supplies along with purchaser's name and address, email address and phone/ fax number of purchaser, purchase order number and date along with the copies of purchase order, quantity supplied, date of supply and their commissioning details with date shall be submitted along with the offer. Copies of POs submitted shall also indicate the parameters / specification of subject Equipment to prove same/ similarity aspect of the Equipment as mentioned in para (ii) below
- (ii) A 'similar' Equipment mentioned in para (i) above shall mean a Come Along Capacity - 1.5 Ton (or) higher capacities.
- (iii) The tenderer shall, in their offer, submit performance certificate of Come Along 1.5 Ton Capacity supplied by them which meet the criteria specified in Para (i) above and the equipment covered by these certificates must have been working satisfactorily for at least one year from the date of commissioning. The certificate shall not be older than one year from the original date of closing of tender. To this effect, the performance certificate submitted by the tenderer must have been issued by the actual user organization of the Equipment, with their clear signature and address therein, in whose premises the Equipment is installed and commissioned.
- (iv) The tenderer should provide satisfactory evidence, acceptable to the purchaser to show that he is a regular manufacturer and has adequate plant and manufacturing capacity and has a "Quality Assurance Program". The manufacturer should have valid ISO 9001:2015 certificate (or latest) on the original date of closing of Tender and a copy of same should be submitted along with the bid. The **Come Along 1.5 Ton Capacity** should be in the scope of ISO certificate.
- (v) All necessary information/ documents required for establishing reference requirement as per Para (i), (ii) & (iii) above should be submitted by the bidder along with original offer itself. No clarification/ correspondence will be sought/

entertained in this regard. In case no information or incomplete information is furnished by the bidder, their offer will be summarily rejected.

**(B) Special Conditions**

- (i) The tenderer must submit the Technical offer as per the format given in Annexure-A. All the information as asked for, in the format must be given accordingly e.g. wherever a parametric value is asked it should be furnished, if a write up is asked for this should be provided and if a brochure or catalogue or drawing or sketch is expected this should be provided. In case of incomplete/ sketchy / illegible information, the technical offer will be considered as incomplete and is liable to be rejected.
- (ii) Railways reserve the right to verify at any time, the details submitted by the Bidder/Tenderer by actual site visit. If the information furnished in the bid is found to be incorrect during verification, the bid shall be considered invalid and their EMD shall be forfeited and necessary action will be initiated against the bidder/Tenderer.
- (iii) OEM or their authorized dealers with tender specific authorization should only eligible to participate in the tender.
- (iv) **Delivery period:** The equipment shall be supplied and commissioned within 60 days from the date of issue of Purchase Order.

**1.0 Description**

Design, Supply, Commissioning, Testing and Prove out of Come Along 1.5 Ton Capacity as per this technical specification.

**2.0 Purpose and Capability**

- 2.1 Come Along is a Portable rescue and lifting device primarily used for confined space rescue operations where controlled ascending and descending movements are required. It is suitable for the safe vertical retrieval and lowering of injured personnel from pits, tanks, manholes, silos, and other restricted access areas. The system shall operate on the principle of wrap friction winch mechanism to enabling smooth, controlled vertical lifting and lowering of casualties without sudden jerks or slippage.
- 2.2 It shall be Capable of handling of vertical and horizontal lifting loads of more than 200 Kg (Safe working load) of load through manual hand operated winch mechanism.

- 2.3 The system shall be of fully collapsible design and lightweight construction, enabling easy transportation, rapid deployment, and convenient handling at confined or remote locations.

### 3.0 Scope of Supply

- 3.1 The Scope of Supply covers the Design, Supply, Installation, Testing, commissioning and Prove out of Come A Long 1.5 Ton Capacity along with standard accessories as below:

S No	Description of item	Qty per each equipment
3.2.1	Come Along-1.5 Ton	01 no
3.2.2	Hand operated Manual Winch	01 no
3.2.3	Rescue Stretcher	01 no
3.2.4	Fully Body Harness	01 no

- 3.2 The Scope of supply shall also include supply of any other accessories/equipment, which the manufacturer considers essential to make the equipment fully operational, when supply and commissioned.
- 3.3 The scope of supply shall also include installation and commissioning of related equipment, training of personnel in operation and maintenance of Equipments and supply of technical documentation.It also includes Shipment to work site (Including Insurance).
- 3.4 Successful tenderer/contractor shall supply and commissioning of the equipmentat to **“The Chief Workshop Manager, Wagon Workshop Guntupalli, Vijayawada, Andhra Pradesh - 521241 or DME/DSL/BZA, Office of the Divisional Mechanical Engineer Diesel Loco Shed- Vijayawada, Khuddusnagar, Andhra Pradesh-520001.** Receipt challan, Joint receipt inspection certificate and commissioning certificates certified by the consignee in original shall be submitted to CWM/RYPs for payment.
- 3.5 After commissioning, the equipments will be utilized at the following locations/units over South Central Railway and the Contractor shall provide the warranty services to the individual consignees at these locations only

S.No	Consignee Details	Division	Qty
1.	SSE/C&W/SC, Office of the Coaching Depot Officer, Beside Chilakalaguda Health Unit, Bhoiguda, Secunderabad, Telangana -5000252. Contact No: 9701371419	SC	01 set
2.	SSE/C&W/KZJ, Office of Senior Section Engineer (C&W)/Kazipet, Opposite Diesel Loco Shed Kazipet, Hanumakonda District, Telangana-506003. Contact No: 9701371645		01 set
3.	SSE/C&W/BZA, Office of Senior Section Engineer, DME/Wagon depot/BZA, near foreman bungalow quarters, chitti nagar, Vijayawada, Andhra Pradesh- 520001. Contact No: 9121145181	BZA	01 set
4.	SSE/C&W/RJY, Office of Senior Section Engineer (C&W), near east booking office, Rajahmundry railway station, Rajahmundry, East Godavari District, Andhra Pradesh-533101 13. Contact No: 9701373463		01 set
5	SSE/C&W/BTTR, Office of Senior Section Engineer, C&W Depot- Beside Officers Rest House, Bittragunta Railway station,Bittragunta, SPSR Nellore District, Andhra Pradesh - 52414215. Contact No: 9701373462		01 set
6	SSE/C&W/PAU, Offcie of Senior Section Engineer (C&W)-Purna, Near Platform No.4,Purna Railway Station, Purna,Parbhani District,Maharashtra-431511. Contact No: 9561012125	NED	01 set
7	SSE/C&W/NZB, Office of Senior Section Engineer (C&W), (SSE/C&W/NZB), Goods Line road , Nizamabad Railway station, Nizamabad District, Telangana-503002, Contact No: 9701372441	HYB	01 set
10.	SSE/C&W/GNT, Office of Senior Section Engineer (C&W) (SSE/C&W/GNT),Coaching Depot-Guntur, SC Railway, Donka Road, Bongarala beedu, Golconda	GNT	01 set

	Siding, Guntur District, Andhra Pradesh-522002. Contact No: 9701379466		
Grand Total			08 sets

3.6 The cost of all the above are included in the basic cost of the Equipment and no additional charges will be paid by the Railway

#### 4.0 Basic Design Features and technical Requirements of the Equipment

##### 4.1 Technical Parameters of the Equipment.

S No	Description of item	Parameters
<b>(A) Major Technical Parameters</b> (Note: No deviation in major parameter shall be accepted. The bidder should indicate the actual parameters offered)		
4.1.1	System Type	Come Along Type
4.1.2	Safe Working Load (SWL)	Minimum 200 Kgs
4.1.3	Factor of safety	4:1 to 5:1
4.1.4	Operation	Manual Winch
4.1.5	Winch principal	Wrap Friction
4.1.6	Gear ratio of winch	4:1 to 9:1
4.1.7	Rope Type	Polyimide braided Rope
4.1.8	Rope diameter	minimum 10 mm
<b>(B) Other Technical Parameters</b>		
4.1.9	Overall Lower Mast Height	Adjustable from 2000 mm to 2540 mm
4.1.10	Mast Type	One piece Adjustable
4.1.11	Upper Mast (boom) off set	Adjustable from 300 mm to 740 mm
4.1.12	Maximum Length of rope provided in the winch	Approximately 100 meters
4.1.13	Load Holding by the winch	Self-locking / automatic brake mechanism
4.1.14	Material of Ascension Handle	Light Forged Aluminum
4.1.15	Breaking Load of Rope provided without end connection	Minimum 24 KN
4.1.16	Breaking Load of rope with end connection	Minimum 18 KN
4.1.17	Material of rescue stretcher	Fiber
4.1.18	Dimensions of stretcher in expanded condition	2430 mm X 920 mm X 3 mm(approx.)

## **4.2 CONSTRUCTIONAL DETAILS OF THE EQUIPMENT**

4.2.1 The Come-A-Long System shall be constructed from steel or hard aluminum alloy or combination of steel and hard aluminum alloys and shall consist of three major components, namely:

- (a) Base
- (b) Mast
- (c) Boom

4.2.2 The system shall provide a safe and secure anchorage points for confined space entry, exit, and rescue operations.

4.2.3 The system shall be lightweight, ergonomically designed for single-person operation, and suitable for safe working load (SWL) of 200 kgs or more to carrying out the confined space rescue operations.

4.2.4 All adjustments shall be through key plug mechanism, enabling easy assembly and dismantling without the use of tools.

4.2.5 The structure shall provide stable anchorage during lifting and lowering operations. The base structure shall have an adjustable aluminum screws (Range of adjustment from 130mm to 150 mm) and a built-in level indicator for easy set-up on uneven surfaces.

4.2.6 The complete system shall be corrosion resistant and suitable for industrial and outdoor environments

## **4.3 Winch Mechanism:**

4.3.1 The winch shall be a hand-operated manual winch type confirming to IS15560:2005 or equivalent EN Standards suitable for controlled ascending and descending operations during confined space entry, rescue, and lifting activities.

4.3.2 The winch shall operate on the principle of wrap friction mechanism, wherein the rope is wound around a rotating drum to create frictional resistance. This mechanism ensures:

- (a) Controlled vertical lifting and lowering (ascending and descending) Operations
- (b) Positive load holding capability
- (c) Prevention of sudden free fall
- (d) Smooth descent under operator control

4.3.2 The winch shall be equipped with a self-locking / automatic load-holding mechanism to prevent back-driving under load.

- 4.3.3 Rope shall be suitable for rescue lifting operations and compatible with the winch drum. Rope shall also be resistant to abrasion, moisture, and environmental degradation.
- 4.3.4 The Rope shall be conform to EN 1891 or relevant EN / IS standards for rescue and patient handling equipment.
- 4.3.5 Valid test certificates from ILAC/NABL/Central Govt Accredited Laboratory shall be submitted along with supply of the equipment.

#### **4.4 Rescue Stretcher:**

- 4.4.1 The rescue stretcher shall be of bucket-shaped design, suitable for confined space and vertical rescue operations. It shall be provided with a sufficient number of adjustable securing straps to safely immobilize and hold the casualty during lifting, lowering, and transportation
- 4.4.2 The stretcher shall be manufactured from high-strength fiber / reinforced polymer material
- 4.4.3 The stretcher shall incorporate a single drag strap for movement of the casualty by a single rescuer, along with multiple reinforced lifting loops/handles positioned around the perimeter for safe vertical and horizontal lifting.
- 4.4.4 The design shall permit safe lifting in both Vertical orientation and Horizontal orientation
- 4.4.5 The stretcher shall allow controlled upward and downward movement during rescue operations.
- 4.4.6 The stretcher shall be CE marked and conform to EN 1865-1 or relevant EN / IS standards for rescue and patient handling equipment.
- 4.4.7 Valid test certificates from ILAC/NABL/Central Govt Accredited Laboratory shall be submitted along with supply of the equipment.

#### **4.5 Full Body Harness:**

- 4.5.1 The Full Body Harness shall be a 02-point fall arrest harness, designed for confined space rescue, work positioning, and fall protection applications.
- 4.5.2 It should be Equipped with fast-release buckles for quick donning and doffing.
- 4.5.3 The webbing material of the harness shall be made of polyamide (nylon) with a minimum width of 45 mm, providing high tensile strength, durability, and resistance to abrasion. All load-bearing metal components, including D-rings and connectors, shall be manufactured from stainless steel to ensure high strength and corrosion resistance. The fast-release buckles shall be made of galvanized

steel, offering adequate corrosion protection and suitability for use in industrial and outdoor environments.

4.5.4 The complete harness assembly shall be resistant to moisture, oil, and environmental exposure, making it suitable for confined space and industrial applications

4.5.4 The Full Body Harness conforms to EN 361:2002 & EN 358 or relevant equivalent EN / IS standards.

4.4.7 Valid test certificates from ILAC/NABL/Central Govt Accredited Laboratory shall be submitted along with supply of the equipment.

## **5.0 Submission and Approval of General Arrangement & Related Drawings**

5.1 The General Arrangement, Electrical & other related drawings of the Truck shall be submitted by the supplier to Consignee to get the approval from competent authority after obtaining the Purchase order and before starting the manufacturing of the truck.

5.2 The supplier shall submit 03 copies each of GA drawings and other drawings of the Truck with details of construction, Engine, and Drives, Electrical Instrumentation Panel, etc. and other related diagrams (Mechanical, Electrical & Electronics) along with machine weight, overall dimensions for approval to consignee within 20 days from the date of issue of purchase order.

5.3 The consignee shall either approve the GA drawings or if necessary return them to the supplier /contractor for corrections, within 10 days of its receipt from the supplier under clear dated signatures.

5.4 In case Consignee finds some deficiencies in the Drawings and returns the same for rectification to the 'Contractor', the contractor must return the rectified/modified drawings within 15 days from the date of issue of letter by Consignee. This period will not be counted towards LD calculation while calculating for delay in supply of machine.

5.5 A repeat back reference(s) by Consignee to Contractor pointing out further defects/deficiencies in the Drawings, will be considered a delay on account of the contractor, unless and until clearly certified by consignee as being on their own account, for special circumstances like change in location, review of arrangement etc. Thus, Contractors must take utmost care in ensuring completeness as per requirements of the Consignee.

5.6 The consignee shall ensure that all deficiencies in the drawings shall be pointed



for clarifications to the firm together at one time only instead of piecemeal multiple references.

## **6.0 INSPECTION OF EQUIPMENT AND TESTING AT MANUFACTURER'S WORKS:**

- 6.1 Inspection of the Equipments shall be conducted as per terms and conditions of purchase order at firm's premises before supply of the equipments. Inspection certificate should be supplied along with the supply of the Equipments.
- 6.2 The costs of the inspection charges will be paid as per standard norms specified by Railway Board to the Inspection agency by Railways. Hence, No separate inspection charges will be paid by the railway to the firm.

## **7.0 TECHNICAL LITERATURE:**

The successful tenderer will have to furnish, 03 set of the technical literatures of complete Equipment including imported and indigenously purchased components / sub-assemblies to the consignee along with the each Equipment. Technical literature should cover the following details in English language:

- A. Operational & Maintenance manual of the Equipment.
- B. Spare parts manual including part lists
- C. Technical specification of the equipment and it accessories.
- D. Diagnostic and troubleshooting guide

**Note:** All manual and literature should be in English only.

## **8.0 TRAINING & DEMONSTRATION:**

- 8.1 Free training by the firm shall be imparted in operation and maintenance of the Equipments during commissioning. The training to be imparted shall cover operation, troubleshooting and repair of Equipment.
- 8.2 In order to ensure optimum utilization and keep the equipment in good working order, an adequate number (nominated by each consignee) of IR personnel shall be trained in operation and maintenance of this equipment for a period of two days at the individual consignee premises.
- 8.3 The supplier shall arrange and conduct on-site training at the consignee's premises, including practical demonstration, operation, safety precautions, maintenance procedures, and troubleshooting of the equipment, as required by the consignee.

**Note:** All training should be imparted in English/Hindi/Local Language only.

## **9.0 INSTALLATION & COMMISSIONING OF THE EQUIPMENT**

- 9.1 Joint Check: The Contractor or his agent would be required to carry out a joint check at Consignee's end along with the respective consignee, before unpacking is done, to avoid subsequent complaints regarding short shipment/transit damages. If necessary that this joint receipt inspection to be done immediately on receipt of the Equipment by consignee & Contractors representative to avoid commissioning delays due to shortages/transit damages. After receipt of the Equipment as above, a Joint Receipt Inspection Note (JRI) as per **Annexure-B** shall be prepared by the consignee and the firms representative. The supplier shall have to install and commission the Equipment within **30 days** from the date of intimation of receipt of equipment to the consignee premises.
- 9.2 The supplier shall demonstrate Equipment performance and prove out the claimed capability for successful commissioning at the consignee's works as specified. The equipment shall be deemed to be "commissioned" at consignee premises on the date when it is tested and meets with the specified capabilities/functions according to the technical specifications. The Equipment performance shall be demonstrated by the supplier or his agent after successful commissioning at the consignee's works for a period of two - 8 hour shifts. A Joint Commissioning Note (JCN) to this effect shall be made as per the format at **Annexure-C**. Installation and commission charges are included in the basic price of the Equipment. Hence, No separate Installation and commission charges will be paid by the railway.

#### **10.0 COMPREHENSIVE WARRANTY**

- 10.1 The Equipment should be offered with **24 months** of comprehensive warranty from the date of commissioning for any manufacturing defects. The equipment will be utilized at various locations and consignees over South Central Railway indicated at **clause no 3.5** after commissioning. Hence the contractor has to be provided the warranty services at each consignee location during warranty period. The Comprehensive Warranty which will be inclusive of all spares, materials of the Equipment and labour cost except consumables.
- 10.2 The Equipment shall at all times give contractual out-put and accuracy. Any deficiency or break down for a total of 02 hr. or more for a day would be treated as failure for the day, for the purpose of calculating penalty during the warranty period in terms of **clause 10.10** of this technical specification.
- 10.3 The tenderer shall ensure that in case a failure is reported by a consignee,

qualified service engineers shall visit the site within 03 days from the date of complaint on calendar day's basis. The period of three days (excluding date of complaint) after the failure reported shall be treated as grace period, which will not count towards breakdown time for up to one failure per month and a maximum of 03 failures per quarter. In case the number of failure exceeds one failure per month or three during any quarter of warranty, grace period of only 1 day will be permissible for such additional failure. Complaints shall be lodged by consignee by fax phone, e-mail or per bearer at address given by the tenderer.

- 10.4 The contractor's liability in respect of any complaints defects and or claims shall be limited to the furnishing and installation of replacement parts free of any charge or the repair or defective parts only to the extent that such replacement or repairs are attributable to or arise from faulty workmanship or material or design in the manufacture of the stores during the warranty period.
- 10.5 If the Contractor so desires, the replaced parts can be taken over by him or his representative for disposal as he deems fit at the time of replacement of goods/parts. No claim whatsoever shall lie on the Purchaser for the replaced parts there after.
- 10.6 The warranty period in the offer shall survive for a period of 24 months from the date of commissioning of the Equipment. If the offer is found with less than 24 months or ambiguous/uncertain on warranty conditions, the tender is liable to be rejected.
- 10.7 10% of the P.O value shall be pledged with Railways as Warranty Bank Guarantee against the Warranty Period.
- 10.8 The Railways, without prejudice, shall be entitled and it shall be lawful on his part to forfeit the amount of the Warranty Bank Guarantee Bond furnished in respect of Warranty in whole or in part in the event of any default, failure or neglect on the part of the Contractor in the fulfillment or performance in all respects of the warranty provisions under reference or failure to extend the validity of Guarantee Bond for the period of break down occurred during warranty period and for such part(s) replaced and/or repaired and part(s) immediately connected there to.
- 10.9 Foreign suppliers who do not have registered office / maintenance facilities in India may authorize an Indian agent, who shall be responsible for maintenance and break down support. In such case, Indian agent should have experience of maintaining any type of five Equipments after commissioning. The tenderer

should submit documentary evidence towards the experience of the Indian agent in maintaining the Equipments in India, along with the offer. The Indian agent should submit the details of infrastructure and manpower available with them in the bid.

- 10.10 Penalty will be levied on the contractor for breakdown period on hours basis (including holidays) after discounting for the grace period and preventive maintenance period. Penalty will be calculated with full/partial deduction of amount of WBG, which shall be deducted from the WBG deposited with the Railways:

<b>Breakdown period</b>	<b>Applicable penalty</b>
Up to 500 hours in entire duration of warranty of 02 years	Nil
Exceeding 500 hours to 1200 hours in entire duration of warranty of 02 years	25% of apportionate WBG amount
Exceeding 1200 hours to 2100 hours in entire duration of warranty of 02 years	50% of apportionate WBG amount
Exceeding 2100 hours in entire duration of warranty of 02 years	Aportionate Full encashment of Warranty Bank Guarantee besides other action like noting adverse performance of the bidder and/or agent for future tenders and their offer in the subsequent tenders will not be considered for placement of any order for next 02 years.

#### 11.0 **SERVICE FACILITY IN INDIA AND TECHNICAL SUPPORT**

- 11.1 The tenderer will clearly spell out in the offer the facilities available with him or his agent for providing adequate after-sales service in India during warranty period in the appropriate section of **Annexure 'A'**.
- 11.2 After the warranty period, if any, the manufacturer or his agent shall agree to provide service supports for trouble shooting and obtaining spare parts. The manufacturer shall be obliged to provide spare parts required by the Purchasers for a period of 10 years from the date of delivery of the Equipment at the ultimate destination to safeguard against obsolescence.

11.3 Tenderer who are OEM, shall undertake to supply spare parts for a period of expected life of Equipment. Other tenderers shall submit undertaking from OEM for supply of spare parts for a period of expected life of the Equipment.

## 12.0 PAYMENT TERMS AND CONDITIONS

100% payment shall be made against the supply and commissioning of the Equipment. For release of payment, the documents such as Inspection certificate issued by RITES/TPI, Joint receipt note, Joint Commissioning Note and 10% of Warranty Bank Guarantee against the Warranty Period shall be submitted.

  
SSE/M&P  
सी.से.इंजीनियर/एम & पी  
S.S.E./M & P  
मालडिव्या कारखाना/WAGON WORKSHOP  
द.म.रे./S.C.R./गुंटुपल्ली/GUNTUPALLI.



  
Dy.CME/WWS/RYPs  
उप मुख्य यांत्रिक इंजीनियर  
Dy. Chief Mechanical Engineer  
मालडिव्या कारखाना, द.म.रेलवे, गुंटुपल्ली  
Wagon Workshop, S.C.Railway, Guntupalli

**FORMAT FOR SUBMISSION OF TECHNICAL BID**

1. a) We, M/s.....offer our.....Equipment, model No.....as per the description given in Technical Specifications.
- b) We state that, except for the following, for which clause wise brief description and justification for deviation has been indicated, our Equipment fully complies with all the clauses as given in technical specifications.

S No	Clause/Item	Brief description of Deviation	Justification for deviation

**Note 1:** The bidder shall mention all technical deviations only in the format enclosed above

**Note 2:** The deviation mentioned elsewhere in the bid shall not be considered and the bid shall be evaluated based on the information provided against this Annexure-A of Technical specifications.

**Note 3:** In case tenderer offers internationally accepted alternative specifications, complete details of alternative specification, apart from filling above deviation statement, shall be enclosed.

2. We further certify that we are meeting the reference clause as
- (A) We are the regular manufacturer of this type of Equipment
- (B) We have made the following past supplies of similar Equipments as per Eligibility Criteria and special conditions during last 05 years:-

S.No	Name of the purchaser with address	Purchaser's Phone, email, Address, Name of the contract person	Purchase / supply order number and date (along with a copy of the PO)	Quantity supplied (with proof of supply)	Date of Supply of M/c	Date of commissioning of the Equipment	Type and capacity of Equipment

**Note:** Please attach copies of relevant documents in support of above

- (C) We are submitting following performance certificate from past users as per Terms and Conditions:

S. No	Name of the Purchaser with address	Purchase/ supply order number and date (along with a copy of the PO) (it should be the	Quantity Supplied	Date of Supply	Date of Installation and /or commissioning	Date of issue of Performance certificate (Certificate to be enclosed)

		one(s) which are enlisted at clause 2B above)				

**Note:** Performance certificate shall be submitted as per **Annexure-D**

3. We are having following facilities available with us or our agent for providing adequate after sales service in India during warranty period. Complete details of after sales service, availability of technically competent engineers and warehousing facilities for spares is indicated below:
  - After sales service centers
  - Availability of technically competent engineers
  - Warehousing facilities for spares
4. We have quoted for following recommended perishable and non-perishable spares required for normal maintenance to cover complete range of mechanical, hydraulic and electrical equipment(s) including controls on double shift working basis.

**Perishable Spares**

S. No	Description of the spares	Part Number	Quantity (in Nos)	Rate	Shelf life (in months)

**Non-Perishable Spares**

S. No	Description of the spares	Part Number	Quantity (in Nos)	Rate	Shelf life (in months)

5. \*We hereby confirm that we are the OEM and undertake to supply spare parts for a period of expected life of Equipment.

(OR)

\*We hereby confirm that we are not the OEM, but are submitting undertaking from OEM for supply of spare parts for a period of expected life of the Equipment to provide maintenance spares (as and when ordered) after the expiry of the Warranty/ CAMC for 5 years (life of Equipment – 10 yrs) including the maintenance spares required for the bought out sub-assemblies and parts.

**(\*Strike out whichever is not applicable)**

6. It is certified that we are having suitable facilities at our works for carrying out various performance tests on the sub-assembly/assembly/Equipment and these shall be made available to the inspecting authority
7. We further submit the following information about the offered Equipment as per the technical specifications. We understand that any omission of any of the below mentioned information will render our offer incomplete to that extent.

<b>4.1</b>	<b>Major Technical Parameters of the equipment (No deviation accepted in Major Technical Parameters)</b>		
Clause no. Technical Spec.	Item Description	As specified	Value / write up / brochure (as offered)
4.1.1	System Type	Come Along Type	
4.1.2	Safe Working Load (SWL)	More than 200 Kgs	
4.1.3	Factor of safety	4:1 to 5:1	
4.1.4	Operation	Manual Winch	
4.1.5	Winch principal	Wrap Friction	
4.1.6	Gear ratio of winch	4:1 to 9:1	
4.1.7	Rope Type	Polyimide braided Rope	
4.1.8	Rope diameter	minimum 10 mm	

8. The Bidder shall offer their comments against each clause of Technical Specifications as per the format below:

Clause no. Technical Spec.	Description & Information required	Compliance	Value / write up / brochure (as offered)

Signature of the authorized representative  
of the bidder with company stamp



**JOINT RECEIPT INSPECTION NOTE**

DATE.....

Sub: Receipt of consignment of the Equipment.....

Ref: Purchase order No.....

1	Name of consignee/railway	
2.	Equipment name	
3.	Quantity	
4	Name of the supplier	
5	Consignment of the Equipment received on	

It is certified that, the consignment of the Equipment has been received complete and in good condition as per specification shown in the contract.

Tentative plan for installation and commissioning of the Equipment is as under:

1	Date of clear site provided	
2	Contact	Turnkey/Non-turnkey
3	Status of readiness of foundation	
3 (a)	Already construction on	
3 (b)	Under construction & likely date of its completion	
3 (c)	Construction yet to be started from.....and likely date of its completion	
4.	Status of availability of electrical power, water and compressed air etc.	Available/Not-available
5	Number of components to be proved out on the Equipment	
6	Likely date for start of erection	
7	Likely date for switch –on the Equipment	
8	Likely date of completion of commissioning of the Equipment	

Representative of the firm  
Designation  
(Minimum Gazetted level)

Representative of consignee  
Designation

**ANNEXURE-C****JOINT COMMISSIONING NOTE****DATE.....****Sub: Commissioning of (name of the Equipment).....****Ref: Purchase order No.....**

<b>1</b>	<b>Name of consignee/railway</b>	
<b>2.</b>	<b>Equipment name</b>	
<b>3.</b>	<b>Quantity</b>	
<b>4</b>	<b>Name of the supplier</b>	
<b>5.</b>	<b>Consignment of the Equipment received on</b>	

6. All the parameters of the Equipment are found okay. The proving test on the Equipment was conducted from ..... to ..... and Equipment is working satisfactorily.
7. Equipment has finally been commissioned on..... . The Equipment has been handed over for regular use and kept under one month observation to watch its performance.
8. Following minor deficiencies (if any) found during joint observation trials are to be attended/rectified by the firm during one month observation and before issuing the PTC for the Equipment:
- (a)
- (b)
- (c)

**Representative of the firm**  
**Designation**

**Representative of consignee**  
**Designation**  
**(Minimum Gazetted level)**

**Important Note:** i) The certificate shall not be older than one year from the original date of closing of tender. The performance certificate issued after original date of closing of tender (in cases where tender closing date has been extended) are also acceptable. However the Equipment must have completed one year of satisfactory working after date of commissioning as on original date of closing of tender.

ii) Performance certificate shall contain following information.

**PERFORMANCE CERTIFICATE**

Date of Issue:

**TO WHOMSOEVER IT MAY CONCERN**

Sl. No.	Head	Details	
1.	Name of the Supplier		
2.	Consignee details		
3.	Name of the Equipment/ description of Equipment		
4.	Purchase/ Supply Order Number		
5.	Date of Purchase/ Supply Order		
6.	Date of Supply of Equipment(s)		
7.	Quantity Supplied		
8.	Manufacturer's Serial Number(s) of Equipment(s) or Plant/System etc. number (or some mode of identify the Equipment)		
9.	Date of Commissioning		
10.	Performance of the Equipment	Satisfactory/Unsatisfactory	
11.	Any other information which user intends to append, for example a) Aspects bringing out similar nature of Equipment. b) Major/ leading parameter of the Equipment	System Type	
		Safe Working Load (SWL)	
		Factor of safety	
		Operation	
		Winch principal	
		Gear ratio of winch	
		Rope Type	
		Rope diameter	

**Name & Designation**

**Contact Number**

**Signature of the issuing authority**

**Email id**

**(Seal of the organization)**