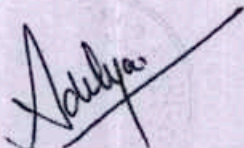


TECHNICAL SPECIFICATIONS

OF

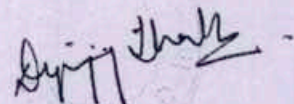
10 – 15T CAPACITY PICK AND CARRY CRANE



Prepared By

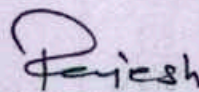
ADITYA DHIMAN

DM (Design)



Checked By

DGM (DESIGN).



Approved By

RAJESH KUMAR

AGM (Design, TAD)

1. TECHNICAL SPECIFICATION OF 10-15T CRANE

CARRIER:

4x2 wheel right hand drive purpose built heavy duty frame of torsion box construction with integral outrigger housing and fabricated from high strength steel plates and sections.

BOOM:

Four section full power boom. Telescopic sections slide on adjustable and replaceable low friction wear pads. Maximum Tip height 17.60m and maximum boom angle is 65°.

CABIN:

1. Superstructure Operator's cab: Totally enclosed steel construction, full vision type. Control levers for craning functions. All windows fitted with toughened safety glass. Lockable sliding door, cab interior light, electrical windshield wiper. Electric horn, circulating air fan.
2. Carrier Operator's Cab: Steel construction, full width Air-conditioned cab, interior light. Opening windows fitted with toughened glass. Two lockable doors, electric windscreen wiper to front of windscreen. Upholstered and adjustable driver's seat. Automotive controls include steering wheel, pedals for clutch, brake and accelerator.

HOIST:

Hydraulically operated with 4 falls and Safety brakes.

BOOM:

4-part boom, 3 part powered and fully synchronised

OUTRIGGERS:

Hydraulically operated outrigger system, comprising independently controlled hydraulic telescopic horizontal beams with vertical hydraulic jacks to permit full lifting duties. All vertical jacks are fitted with positive lock valves. Easy-fit outrigger feet are provided with stowage facility on carrier.

ENGINE:

Heavy duty, water cooled diesel engine of adequate horse power preferably 101Hp @ 2400rpm

ELECTRICAL SYSTEM:

24-V DC lighting system. Flashing direction indicators.

DRIVE/STEER:

4x4 wheel right hand drive

STEERING:

Twin Hydraulic acting arms 40° articulation on either side.

GEAR BOX:

Synchromesh gear with easy gear shift mechanism. 10 Forward and 02 reverse Speeds

AXLES:

1. Front Axle: Rigidly mounted
2. Rear Axle: Mounted on semi-elliptical leaf spring

BRAKE:

1. Service: Air-operated on front and rear axles by means of foot operated pedal in Driver's cab.
2. Parking: By means of air-operated spring actuator in driver's cab, fail safe.

TYRES:

Pneumatic 11.00 x 20-16 PR. Spare wheel provided.

MISCELLANEOUS STANDARD EQUIPMENT

Air pressure gauge, engine oil pressure gauge, ammeter, speedometer, warning light for alternator. Safety Load Indicator, AC Cabin

NOTE: First fill of oil and lubricants for testing, inspection and operationalisation of the crane shall be provided by the firm

2. QAP/ATP

Vendor shall prepare QAP/ATP documents and submit to BAPL for approval.

3. WARRANTY

Vendor Shall include warranty for 02 years.

4. TRAINING

Training of Indian Navy nominated officers for duration of 10 working days.

5. DELIVERABLES

S. No.	Description	Quantity
1.	Mobile Crane 10T -15T	02 units
2.	SPTA	02 Set
3.	Standard Tool Set	02 Set
4.	Technical/Maintenance Manual	01 Set (Hard & Soft copy)

