

S.E.C.Railway					
Tender no . EL-G-E-OT-26-27-13				Date: 15.06.2026	
Scope of Work and Explanatory Notes					
Name of work- Improvement of safety and power supply reliability in Electrical(G) Substations of Nagpur Division.					
Sno	Description of work	Qty	Unit	Rate	Total in Rs
	Schedule A				
1	Supply of Lightening arrestor suitable for 11 KV with accessories.	50	set	3185.000	159250
	The cost covers supply of 11 KV Lightning Arrestor. The lightning arrestor shall be Expulsion type. The Lightning arrestor shall be suitable for repeated operations and tropical working conditions. The unit shall be housed in a dry vacuum filled, aluminium or porcelain container and shall be effectively sealed to prevent ingress of moisture. The unit shall be complete with its standard accessories such as mounting, terminal connections, earth disconnecting device, conductor clamp,earthing copper strips etc. The spark gaps shall be made of brass electrodes with suitable dielectric spacers. The arrestors shall be a self-contained unit of spark gap and arc control chamber. This includes transportation of materials at site also. (Make: Lamco, Oblum, BHEL, Elpro , Maruti, Ruma Isolator,RR industries or approved by state electricity Boards)				
2	Supply of 11KV AB switch, 3 pole air break gang operated, O/D type, 200A capacity with all accessories	38	set	12825.000	487350
	The cost covers supply of 11 KV AB switch, triple pole, air break, gang operated, outdoor type 200 Amps with insulators, mounted on suitable base complete with operating rod and locking arrangement and all other accessories required for fixing of switch unit. This includes transportation of materials at site also. Contractor will submit details before supply of material and take approval of SrDEE(RS&G)/ADEE(G). (Make Trans Electra, Maruti , Atlas, Kiran Lamco, Simplex, Ruma Isolator or approved by state electricity Boards).				
3	Supply of 11KV expulsion type DO fuse triple pole, 200 A capacity & 20 A. fuse rating complete with all accessories	139	Set	6907.000	960073
	The cost covers supply of 11 KV expulsion type DO fuse unit triple pole with two insulators per phase mounted on suitable base, 200 Amps nominal current carrying capacity and 50 Amps fuse rating complete with fuse holder, two Nos. insulators for fuse element per phase mounted on operating rod. The fuse carrier should be non-hygroscopic non deteriorating synthetic bonded paper cable tube open at both end to facilitate the rapid dissipation of pressure at all current values and having suitable fittings with upper and lower fuse mounts for proper contacts. This includes transportation of materials at site also. Material inspection will be done by RITES. Fees of inspection will be borne by Railway. (Make Transpower, Lamco, Power Equipment, Lauritz Knudsen, C&S,Maruti, Electropime, Ruma Isolator or approved by state electricity Boards).				
4	Supply of FRP Drop Out fuse operating rod	44	Nos	3500.000	154000
	Supply of FRP (Fibre Reinforced Plastic) Drop Out Fuse Operating Rod, suitable for safe operation of outdoor 11 kV drop-out fuses. The rod shall be of high dielectric strength, lightweight, and mechanically robust, conforming to relevant IS/IEC standards. Minimum length shall be 3 meters preferably telescopic, with insulated grip and hook arrangement for ease of handling. Each rod must withstand 11 kV test voltage and be supplied with manufacturer's test certificate.				
5	Supply of fire buckets set of 4 with stand	22	Nos	2892.000	63624
	The cost covers supply of fire Bucket stand with 4 nos. MS Fire bucket 9 ltr Capacity with shed . The bucket and stand made of MS material and the bucket should have Carrying Handle & colour coding RED. The stand should be properly erected and material required for erection should be supplied by the contractor.				
6	Supply of Fire Extinguisher ABC 6 kg	47	Nos	4354.000	204638
	The cost covers supply of Fire Extinguisher, ABC type, 6 kg capacity. The extinguisher shall conform to ISI standards, suitable for Class A, B, and C fires. Cylinders must be new, duly tested, and supplied with wall-mounting brackets. Manufacturer's test certificate and warranty documents to be provided with each unit.				
7	Supply of Electric Shock Treatment Chart Frame size 2'x1.5' approx. Both side of the paper laminated and pasted on 6 mm waterproof ply with hanging arrangement.	40	Nos	1340.000	53600
	Supply of Electric Shock Treatment Chart, frame size approximately 2' × 1.5'. Chart shall be printed on quality paper, laminated on both sides, and pasted on 6 mm waterproof ply. Each unit must be provided with sturdy hanging arrangement for wall mounting. Charts shall be supplied in durable finish, ensuring long life and clear visibility of instructions.				
8	Supply of Earthing Rod	66	Nos	3220.000	212520

	<p>The cost covers supply of 11 KV FRP Telescopic Earth / Discharge Rod complete with all accessories. The rod with specification:</p> <ul style="list-style-type: none"> -System Voltage 11 KV, suitable for outdoor use, -Rod Length 15 Feet minimum, -Material FRP Pultruded, smooth and glossy finish, -Type Telescopic, -Locking Push Button Type, -Preferably 03 Section, -Top Section Dia 25 mm minimum and Bottom Section Dia 45 mm maximum, -Earthing Head Die cast Aluminium, suitable for conductor size 30 mm dia minimum, -Cable Size 4 Sq.mm copper, -Cable Length 06 Metres minimum, -Clamp Crocodile grounding clamp, -Grip Rubber grip, -Cover Canvas carry cover, -One minute dry power frequency voltage withstand 33 KV rms minimum or H.V. Test 110 KV, -Glass Content 60% to 65% minimum, 				
9	Supply of Silica gel drum 25 kg	5	Nos	8999.000	44995
	Supply of Silica Gel in sealed drums of 25 kg capacity. The material shall be of high-quality, moisture-absorbing grade suitable for industrial applications. Packaging must ensure protection against contamination and moisture ingress during transit and storage. Delivery to be made in original manufacturer's sealed containers with batch details clearly marked.				
10	Supply of Rubber Hand Gloves for Electric work use as per IS: 4770 without joint, Test potential: 33000 volts, Working potential : 26500 volts,	69	set	2596.000	179124
	The cost covers supply of Rubber Hand Gloves for electrical purpose, seamless (without joint), conforming to IS: 4770:1991 or latest amended version, test potential 33,000 volts, working potential 26,500 volts, 33 kV class, pair.				
11	Supply of Ballast 40mm size	351	cum	410.000	143910
	The cost covers supply of 40 mm size ballast inside the substation as per the location or locations decided by site engineer.				
12	Supply of 6 x 2 x 0.5 (L x W x H)(Ft) Glow Sign Boards	18	Nos	4321.000	77778
	The cost covers supply of LED based glow signage board (Flex) of size 6x2x0.5 fts. The glow sign board should have iron pipe frame with 1 red oxide and 2 synthetic enameled coat on frame, top, side back galvanized GI sheet of 20 gauge with Powder Coating on Top, side & Back cover GI sheet, Backlight Media (Flex of Min 440 GSM). Minimum one LED (20W) set is provided per six square feet of board area. Key Aluminum Extruded should be provided for tensioning system with provision of MS fabrication (Brackets, Flats) for wall hanging/mounting/projection. Each sign board with flex & colours as desired by railways. The letter should be in Hindi , English and Marathi, written proportionately as per the size of signage. The matter of signage is to be collected from office of field Engineer. This also includes transportation of signage board at site.				
13	Supply of Electrical Insulation mat 3mm thickness , 1000 mm width .	300	mtr	893.000	267900
	The cost covers supply of insulating mats of size 1 mtrs width , 3mm thickness made of Elastomer for use as floor covering for the protection of workers on ac and dc installations with the system voltages up to 33 kV AC and 240 VDC and as per Conformity to Indian Standard: IS:15652 latest , Class C , Category II (Mats resistant to acid and oil and low temperature). Item to be supplied with manufacturer's test certificates ensuring compliance with dielectric and leakage current requirements				
14	Supply, Installation, Testing and Commissioning of Ground Monitoring Device as per annexure 1 of scope of work	14	Nos	70564.000	987896
	Supply, Installation, Testing and Commissioning of Ground Monitoring Device as per annexure 1 of scope of work. All required material for this item will be supplied by the tenderer. Inspection of material will be done by RITES. Fees of inspection will be borne by Railway.				
15	Supply of Transformer Oil	5700	Ltr	103.830	591831
	Supply of Transformer Oil conforming to IS:335 latest edition, suitable for use in power and distribution transformers. The oil shall be new, clear, free from moisture, suspended matter, and other impurities. Each lot must be supplied in sealed, tamper-proof barrels/drums with manufacturer's test certificate indicating dielectric strength, BDV, and other parameters. Inspection of material will be done by RITES. Fees of inspection will be borne by Railway.				
16	Transformer Breather 1Kg flange as per site requirement	24	Nos	1400.000	33600
	Supply of Transformer Breather, 1 kg capacity, with flange type construction as per site requirement. The breather shall be filled with high-quality silica gel, moisture-indicating type, conforming to IS standards. Housing must be weatherproof, robust, and suitable for outdoor transformer installation. Each unit shall be supplied complete with flange, gasket, and manufacturer's test certificate.				
17	Supply of Tool Kit Bag.	40	Set	7502.000	300080

	The cost covers supply of Electric Appliances Repairing Kit. The kit comprises of : crew driver set with 8 Nos of blades-01 set, Plier insulated with joint cutter length 205 mm-01 No, Digital Thermometer-01 No, Nose plier 6", Digital clamp multimeter 01 No, T spanner of size 10, 13, 15, 17-01 set, Panel key for AC coach-01 No, Test lamp with brass holder& 2 mtrs copper cable-01 No, Torch 2 cell with 2 cells spare-01 No, DE spanner set 8 pcs (6to22)-01 set, Allen Key size 4 mm, 3/16, 7/32-01 set, Heavy duty cable cutting knife adjustable-01 No, Adjustable spanner 255 mm-01 No, Digital Thermometer-01 No, Hammer 1/2 Kg-01 No, Haksaw frame with blade(1spare)-01 No. to be supplied with suitable size tool bag.				
18	Supply of Single Mast Aerial Work Platform 10 Mtr suitable for single person 125 kg limit as per annexure 2 of scope of work.	5	Nos	460200.000	2301000
	Supply , demonstration , commisisoning of single Mast Aerial work platform battery operated 10 meter as per specification attached as Annexure 2 of this scope . Material inspection will be done by RITES. Fees of inspection will be borne by Railway .				
19	Supply of Dual Mast Aerial Work Platform 10 Mtr 200 kg limit as per annexure 3 of scope of work.	5	Nos	613600.000	3068000
	Supply , demonstration , commisisoning of single Mast Aerial work platform battery operated 10 meter as per specification attached as Annexure 3 of this scope . Material inspection will be done by RITES. Fees of inspection will be borne by Railway .				
20	Supply of Manual Scissor Trolley , table height 1000mm , lifting capacity 1000 kg as per annexure 4 of scope of work.	4	Nos	77290.000	309160
	Supply , demonstration , commisisoning of Manual Scissor Trolley , table height 1000mm , lifting capacity 1000 kg as per annexure 4 of scope of work.				
21	Supply of Movable Dock Lift 2T capacity , hydaulic + electric as per annexure 5 of scope of work.	6	Nos	566400.000	3398400
	Supply , demonstration , commisisoning of Manual Scissor Trolley , table height 1000mm , lifting capacity 1000 kg as per annexure 5 of scope of work. Material inspection will be done by RITES. Fees of inspection will be borne by Railway .				
22	Supply of Weigh Scale Pallet Truck as per annexure 6 of scope of work.	3	Nos	94400.000	283200
	Supply of Weigh Scale Pallet Truck as per annexure 6 of scope of work.				
23	Full body harness forked lanyard and energy absorber 2 mtr	15	Nos	3534.000	53010
	Supply of full body safety harness with forked lanyard and energy absorber, 2.0M length. Constructed from heavy-duty abrasion-resistant polyester webbing with dorsal attachment point for fall arrest. Includes fully adjustable chest, shoulder, and thigh straps with redesigned buckles and sit strap for comfort. Equipped with fall indicator and uniform computerized stitching to meet ISI safety standards.				
24	Supply of RYB LED panel Indicating Lamp For Panel Cut Outs.	600	Nos	74.000	44400
	Supply of RYB LED Panel Indicating Lamps, suitable for standard panel cut-outs. Lamps shall be of Red, Yellow, and Blue colors, high-brightness type, with long service life and low power consumption. Units must conform to relevant IS/IEC standards and be supplied with proper mounting accessories. Each lamp shall be clearly marked for phase identification and delivered in durable packaging.				
25	Supply of barbed wire	3880	Mtr	18.000	69840
	Supply of barbed wire made of high-quality galvanized steel, conforming to IS:278 standards. Wire gauge shall be 12 SWG with 4-point barbs spaced at 75 mm intervals. The wire shall be rust-resistant, durable, and suitable for fencing applications. Each coil shall be properly packed and supplied in standard lengths				
26	Supply of MS angle 75 x 75 x 5 mm size per kg	7760	Kg	55.000	426800
	Supply of Mild Steel (MS) angles of size 75 mm × 75 mm × 5 mm, conforming to IS:2062 Grade E250 or equivalent. Material shall be new, free from rust, bends, or surface defects, and suitable for structural applications. Supply shall be on per kilogram basis, with proper weighing, invoicing, and delivery in standard lengths.				
27	Supply of 3 pin modular socket outlet with switch of 6 Amps capacity & 230V grade with accessories	80	Nos	214.000	17120
	The cost covers supply of 3 pin socket outlet with switch of 6 Amps capacity & 230-250V grade complete with accessories. (Make : C&S, Lauritz Knudsen , Legrand, Scheider Electric, Hager)				
28	Supply of 3 pin modular socket outlet with switch of 6/16 Amps capacity & 230V grade with accessories	48	Nos	277.000	13296
	The cost covers supply of 3 pin socket outlet with switch of 16/6 Amps capacity & 230-250V grade complete with accessories. (Make : C&S, Lauritz Knudsen , Legrand, Scheider Electric, Hager)				
29	Supply of 1 ph. DB, Double door Acrylic door with 40 A DP isolator, with neutral link for 6 way / 4+2 way of MCB 20/32 Amps.	26	Nos	1278.000	33228
	The cost covers supply of double door distribution board of CRCA steel sheet, 1 phase 6 way with 40 Amps DP isolator and 4 no's SPMCB 20/32 Amps outgoing, complete with base and metallic enclosure. (Make : Hager , C&S, Lauritz Knudsen , Legarnd,BCH , Schneider)				
	Schedule B				

1	Installation, testing & commissioning of lightening arrestor (LA) suitable for 11 KV with accessories.	50	Nos	384.000	19200
	The cost covers installation, testing & commissioning of Lightening arrestor. The work shall be carried out in close co-ordination with Sr.DEE(RS&G)/Nagpur's authorized representative at site. All materials required for commissioning of LA shall be supplied by the contractor.				
2	Installation, testing & commissioning of 11KV AB switch with all accessories.	38	Nos	1557.000	59166
	The cost covers installation, testing & commissioning of AB switch The work shall be carried out in close co-ordination with Sr.DEE(RS&G)/Nagpur's authorized representative at site. All materials required for commissioning of AB switch shall be supplied by the contractor.				
3	Installation, testing & commissioning of 11KV expulsion type DO fuse triple pole, 200 A with all accessories.	139	Nos	880.000	122320
	The cost covers installation, testing & commissioning of expulsion type fuse unit triple pole with two insulators per phase mounted on suitable base, complete with fuse holder, two Nos fuse element and operating rod. The work shall be carried out in close co-ordination with Sr.DEE(RS&G)/Nagpur's authorized representative at site. All materials required for commissioning of DO fuse shall be supplied by the contractor. After charging the DO fuse, it shall be put to continuous testing & a joint report regarding performance of the DO fuse shall be prepared by the contractor & the authorized representative of Sr. DEE(RS&G)/Nagpur. All required material will be arranged and supplied by the contractor for completion of this work.				
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	6500	Cu m	123.850	805025
	Providing and applying white cement based putty of average thickness 1 mm over plastered wall surfaces. The putty shall be of approved brand and manufacturer, conforming to relevant IS standards, and applied to prepare the surface even and smooth. The application shall be carried out in two coats (base and finish) ensuring uniform thickness, free from cracks, undulations, or rough patches. The surface shall be properly cured and finished to receive subsequent painting. All materials, labor, tools, and equipment required for completion of the work shall be included.				
5	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacturer, including applying additional coats wherever required, to achieve even shade and colour.	6500	Cu m	90.050	585325
	Distempering with first quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/litre, of approved brand and manufacturer. The distemper shall be applied in two or more coats as required to achieve an even shade and uniform colour over prepared wall surfaces. The work shall include surface preparation, application of primer where necessary, and additional coats wherever required to ensure complete coverage. All materials, labour, tools, and equipment required for execution shall be included in the contractor's scope				
6	Concealed wiring with PVC conduite pipe with modular switch & 1.5 sq.mm FRLS copper wire.	480	Pts	630.000	302400
	<p>The cost covers PVC concealed conduit pipe wiring for light, fan with switches & PVC conduit pipe. The wiring shall be with PVC insulated stranded copper wire 1.5 sq. mm 1100 volt grade FRLS. The wiring shall be terminated into ceiling rose for light & fan points inclusive of supply of all materials. The switches for lights and fans shall be fixed on to a board. The board shall be earthed using 2.5 sq mm FRLS (green colour) copper wire. The fan regulators shall be fitted into the switch board & connected. An earth continuity conductor of 2.5 sq mm FRLS (green colour) copper wire shall run all along the casing capping & shall be connected to the fan regulator. After proper fixing of PVC conduit pipe, if required finishing of cement plastering & touching up of distempering in proper manner shall be done so as to keep the aesthetic look of the building intact.</p> <p>Note- The tube lights & fans shall be connected to the ceiling rose with 1.5 sq.mm flexible copper wire (FRLS) approximately 1 (one) Mtrs. for each fitting.</p> <p>(A) Switch Board-The switch modular board shall be of suitable size. The size of the board shall be so as it should accommodate controlling switches & regulator of the same room in close vicinity.</p> <p>(B) Switches and ceiling rose – A PVC white switch of 6A for controlling the supply & PVC white ceiling rose for wiring terminals.</p> <p>(C) Marking on the switch - The switches should be marked properly with stickers as F, L & Exh on it for fan, lights and Exhaust fan respectively.</p> <p>All materials required for wiring shall be supplied by the contractor.</p> <p>(FRLS copper wire Make: Finolex, Polycab, Rotoplast,CCI)</p> <p>(PVC conduit - Presstech, superplast, AKG, Maruti, Sarswati, Polycab, Modi)</p> <p>(Switch Socket :Make : C&S, Lauritz Knudsen , Hager , Legrand, Scheider Electric)</p>				
7	Sub circuit wiring with 2.5 sq.mm FRLS copper wire	959	m	72.000	69048
	<p>The cost covers sub-circuit wiring with 2.5 sq. mm FRLS wire .Wiring from main switch boards to switch boards & from one room to another room is referred as sub-circuit. The sub circuits shall run through PVC conduits and having PVC insulated FRLS copper wire 2.5 sq. mm size, 1100 V grade. A number of sub- circuits may run through one PVC conduit for convenience of wiring. One sub circuit shall consist of three wires one phase & one neutral and an earth continuity conductor of 2.5 sq mm FRLS (green colour) copper wire shall be run all along the piping in the sub circuit. All material required for wiring shall be supplied by the contractor.</p> <p>(FRLS copper wire Make: Finolex, Polycab, Rotoplast,CCI)</p> <p>(PVC conduit - Presstech, superplast, AKG, Maruti, Sarswati, Polycab, Modi)</p>				
8	Sub circuit wiring with 4 sq.mm FRLS copper wire	726	m	84.000	60984

	The cost covers sub-circuit wiring with 4 sq. mm FRLS wire .Wiring from main switch boards to switch boards & from one room to another room is referred as sub-circuit. The sub circuits shall run through PVC conduits and having PVC insulated FRLS copper wire 4 sq. mm size, 1100 V grade. A number of sub- circuits may run through one PVC conduit for convenience of wiring. One sub circuit shall consist of three wires one phase & one neutral and an earth continuity conductor of 4 sq mm FRLS green colour) copper wire shall be run all along the piping in the sub circuit. All material required for wiring shall be supplied by the contractor. (FRLS copper wire Make: Finolex, Polycab, Rotoplast,CCI) (PVC conduit - Presstech, superplast, AKG, Maruti, Sarswati, Polycab, Modi)				
9	Fixing of modular switch board, modular switch, mounting grid, cover & metal box.	48	Nos	55.000	2640
	The cost covers fixing modular switch board, modular switch, mounting grid, cover & metal box.				
10	Fixing & connecting of 6 & 16/6 A socket & switche with 2.5 sq. mm 1 core flexible FRLS copper wire.	128	Nos.	15.000	1920
	The cost covers fixing & connecting of 3 Pin, 6, 16/6 Amps sockets with switches from sub circuit wiring which is to be terminated at suitable good quality connector fixed inside the switch board & outgoing to be taken separately one for 6/16 Amps socket with 2.5 sq.mm & one for light & fan wiring with 1.5 sq. mm single core flexible FRLS copper wire. An earth continuity conductor of copper wire of 2.5 sq mm FRLS (green color) shall be run from main board to the plug socket. All materials for fixing and connecting shall be supplied by the contractor.				
11	Installation & commissioning of 1 phase DB.	26	Nos.	58.000	1508
	The cost covers fixing, testing & commissioning of distribution board 1 and 3 phase with MCBs, complete with base and enclosure. The DBs shall be fixed at a suitable height with proper fixture with nuts and bolts. An earth continuity copper wire of 2.5 sq mm FRLS (green color) shall run from the main board to the DB and connected to the earth terminal for earthing of DB. All materials for fixing and commissioning of DB's shall be supplied by the contractor.				
	Sub Total Rs.				16969159

1 The work to be carried out as per IE rules and code of practice.

2 If any minor item left in the scope of work & schedule, the contractor shall provide himself for completing the job.

3 All electrical items should be ISI marked wherever applicable.

4 The location of the work can be changed within the Nagpur division as per the requirement of Railway.

5 Any contradiction in schedule of rate and specification; final decision of Railway authority will be final as per railway requirement.

6.In case of change in BEE star rating of material, the star rating of the item at the time of delivery should remain same as mentioned in scope.

Annexure 1

Technical Document - Ground Monitoring Device

Features :

1. Continuously monitors the integrity of an electrical grounding
2. Display the earth resistance value (0– 100 Ohms).
3. Alarm when the grounding deteriorates beyond a set threshold.
4. Alarm by end-of-life of GMD due to surge overvoltage.
5. Alarms Deactivation Available .
6. Programmable threshold values with push buttons.
7. RS485 for remote logging.
8. 3 Row LCD display to read resistance

Technical specification:

SPECIFICATION	Range
GENERAL CHARACTERISTICS	
Resistance measuring range	0 to 100 Ω
Accuracy	10%
Frequency	50/60 Hz
Response Time	< 20 Sec
Open Earth Indication	50 Ω (Programmable)
Alarm Output	230V (70VA max)
COMMUNICATION (OPTIONAL)	
Device ID & Parity	1 to 247 & Odd, Even, None Parity (Preferred Even)
Protocol & Interface	Modbus RTU & RS485 Baud rate: 4800 bps to 38.4kbps (Preferred 9600). Isolation: 2000 volts AC isolation for 1 minute between communication and other circuits
ENVIRONMENTAL CHARACTERISTICS	

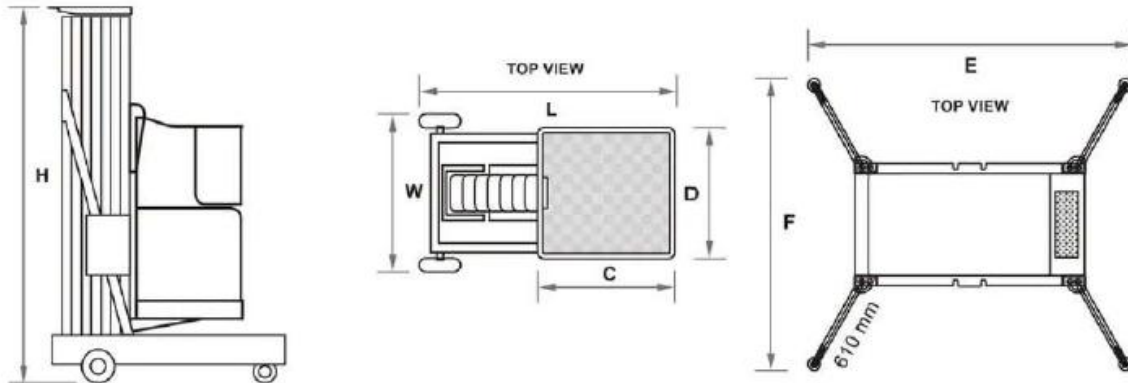
Measurement Category	CAT III (As per IEC 61010)
Humidity	5% to 95% non-condensing
Pollution Degree	2
Altitude	Below 2000m
Insulation	Below 2000m
Insulation	Double Insulation
Ingress Protection	IP54 (Front Facia)
Operating Temperature	-10°C to + 55°C (14°F–131°F)
Storage Temperature	-25°C to +70°C (-13°F–158°F)
SAFETY AND STANDARDS	
Construction	IEC/EN 61010-1 edition 3, CAT III, 300V LN / 600V LL, Protection class II
Standards	UL 61010-1, IEC/EN 62052-11
MECHANICAL CHARACTERISTICS	
Wire Gauge (Connecting wires)	6 Min–25 mm ² (max)
Container material	Polycarbonate with V0 grade
Dimension	90mm x 36mm
Mounting	DIN rail mount
Weight	200g

Annexure : 2

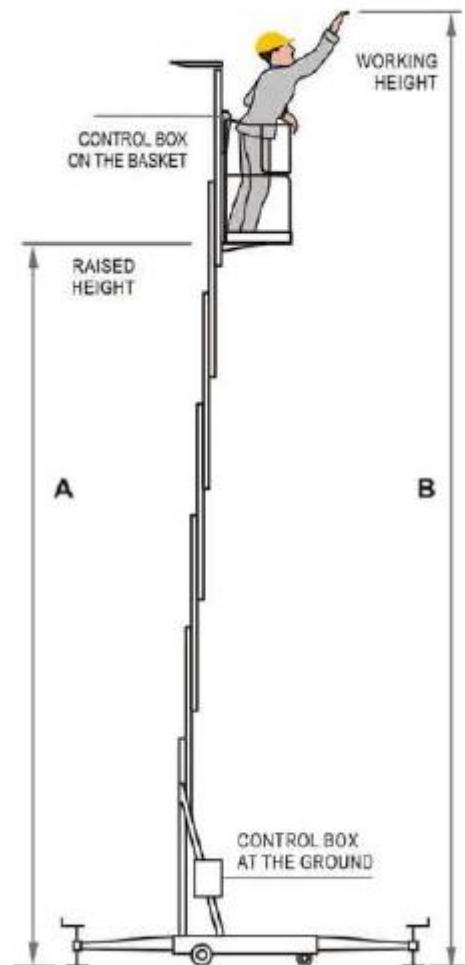
Item no. 18: Supply , demonstration , commissioning of single Mast Aerial work platform battery operated 10 meter as per specification attached as Annexure 2 of this scope .

Single Person working Platform -10 metres

Technical Specifications



S.W. L	125 kg
Platform height(A)	10.00m(33FEET)
Working height(B)	12.00m(39FEET)
Overall length(L)	1450mm
Overall width(W)	850mm
Overall height(H)	2000mm
Platform size (C x D)	600m×550m(D)
Ground clearance	0.70m
Outrigger Size (E x F)	2400x2000
Wheelbase	1.42m
Lifting motor (AC)	220V-Single phase
Motor Power	0.75kw
Tires (Back wheels)	Φ 180×50mm
Tires (Front wheels)	Φ 180×50mm
Weight (AC)	330KG





The Up & Down lift should be by electric operated (AC-220V) single phase Power supply & push pulling manually by single person .

Standard equipment: - (Safety Features)

- Levelling outrigger device
- Emergency stop button
- Electric limit switch
- Two controllers' operation-(Platform & floor)
- Emergency down button
- Levelling indicator
- Over loading limited

The material required prior approval of competent authority before supply at site. Material inspection will be done by RITES. Fees of inspection will be borne by Railway .

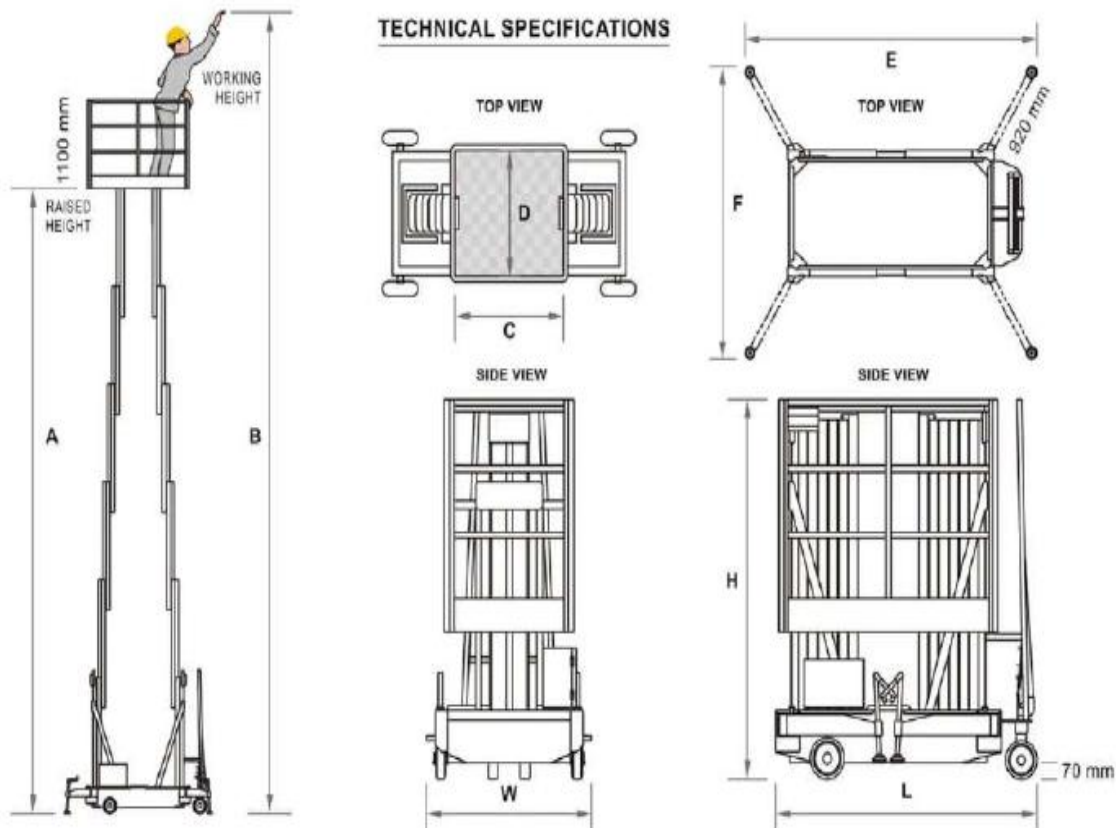
The manufacturer should have past orders of supply to any state/ central Government body or any public listed company of BSE/NSE .

Warranty : 1 year .

Annexure : 3

Item no. 19: Supply , demonstration , commissioning of Battery Operated Aluminum Dual Mast Aerial work platform 10 meter as per specification attached as Annexure 3 of this scope .

TECHNICAL SPECIFICATIONS



Lifting up & down by electric operated (DC/AC-220v) & push pulling Manually by 2 person & two person working platform.Up & down lifting by battery & push pull manually by 1-2 person

Standard equipment :

- Levelling outrigger device
- Emergency stop button
- Electric limit switch
- Two controllers' operation
- Emergency down button
- Levelling indicator
- Over loading limited

S.W. L	200 kg
Platform height(A)	10.00m(33 FEET)
Working height(B)	12.00m(39FEET)
Overall length(L)	1580mm
Overall width(W)	950m
Overall height(H)	2000mm
Platform size(CxD)	1.38m(C)×0.62m(D)
Ground clearance	0.70m
Wheelbase	1.42m
Lifting motor (DC)	DC12 V
Motor Power	1.1 kw
Battery	60 AH- 2NOS -EXIDE BRAND
Charger	DC-12V-CHARGE BY 220V Power supply
Charging time	6-8 hour, working 2-3 hour continue
Tires (Back wheels)	φ 180×50mm
Tires (Front wheels)	φ 180×50mm
Weight	610KG

The material required prior approval of competent authority before supply at site. Material inspection will be done by RITES. Fees of inspection will be borne by Railway .

The manufacturer should have past orders of supply to any state/ central Government body or any public listed company of BSE/NSE .

Warranty : 1 year .

Annexure : 4

Item no. 20: Supply of Manual Scissor Trolley , table height 1000mm , lifting capacity 1000 kg.

Features:

1. Ergonomically designed lifter / transporter features.
2. Handy hydraulic feet pump to elevate formed-edge platform, reducing strain and fatigue, used for lifting, transporting, positioning, assembling, stacking and un-stacking.
3. Easy-to-operate brake keeps unit stationary while loading and unloading, while the lowering valve provides precise lowering.
4. All lifting table trucks have two kinds of lowering systems wire or nut
5. Handle with plate protection
6. Handle with rubber

Specs:

Capacity kg 1000kgKG

Min. Table Height mm 415mm

Max. Table Height mm 1000

Dimension of Table mm 1016x510x60

Caster Wheel mm 150x50

Foot Pedal Cycles to Max. Height 97

Net Weight kg 112kg

Height of Handle from the Ground mm 1015



The material required prior approval of competent authority before supply at site. Railway deserves the right to conduct consignee inspection of the material at manufacturers premises.

The manufacturer should have past orders of supply to any state/ central Government body or any public listed company of BSE/NSE .

Warranty : 1 year .

Annexure : 5

Item no. 21: Supply of Movable Dock Lift 2T capacity , hydraulic + electric

Specs:

Load capacity-- : 2 Ton

Platform size :2000mm Length x1500mm Width

Lifting height :1600mm

Lower Height : 150mm

Lifting Type : Hydraulic +electric

Lifting Power : more than 1.5 hp

Power supply : 220v/415v

Overall length : 2500mm

Overall Width : 2000mm

Wheels :200x50-4 Nos

Lifting speed with weight : 0.05 per sec

Usage type. : Outdoor

Mobile drive : Manual push Pulling Type



The material required prior approval of competent authority before supply at site. Material inspection will be done by RITES. Fees of inspection will be borne by Railway .

The manufacturer should have past orders of supply to any state/ central Government body or any public listed company of BSE/NSE .

Warranty : 1 year .

Annexure : 6

Item no. 22: Supply of Weigh Scale Pallet Truck

Specs:

Capacity :-1.5 ton

Lowered Height :-90mm

Raised Height :- 200mm

Fork Length :1150 mm

fork width : 550mm

Wheel : Nylon wheel



The material required prior approval of competent authority before supply at site. Railway deserves the right to conduct consignee inspection of the material at manufacturers premises.

The manufacturer should have past orders of supply to any state/ central Government body or any public listed company of BSE/NSE .

Warranty : 1 year .