

SPECIAL TERMS & CONDITIONS

NAME OF WORK: - Various Types of Electrical Works during IOH/POH/ Repair of Track Machine.

- 1) Work will be carried out anywhere in West central railway zone (in all three divisions namely Bhopal, Kota, Jabalpur) under supervision of SSE(IOH)BPL or SSE/STMD's/JBP/KOTA & ADEN/TMD/BPL or AXEN/JBP/KOTA or XEN(TM)/BPL.
- 2) As soon as any machine is about to be received in shed at ZTMD or STMD for IOH/Repairing, contractor will be informed by email at the email address provided by contractor and contractor's employee should arrive in the shed within next three working days. He should inspect and plan the work in such a manner, in consultation with SSE/IOH/STMD/BPL/JBP/KOTA that work is completed within reasonable time, without delaying IOH/POH.
- 3) Work will be started within 7 days from the date of issuance of requisition letter by SSE(IOH)BPL or SSE/STMD's/JBP/KOTA & ADEN/TMD/BPL or AXEN/JBP/KOTA or XEN(TM)/BPL by post or e-mail to firm, so that IOH/POH/Repair of machine could be carried out within stipulated period strictly. If contractor does not attend track machine in IOH/POH or repair on stipulated date after receiving information, a penalty of Rs. 1000 per day will be levied from stipulated date for delay in reporting at work site depot.
- 4) The firm should quote details of tax along with their offer; otherwise it will be presumed that the rates are inclusive of taxes. Rates quoted shall be inclusive of all elements of cost such as all lead, lift, ascent, descent, handling, re-handling, royalty, Octroi, taxes, material, tools and plants, man power required to execute the work etc.
- 5) Work shall be carried out as per schedule of work specified.
- 6) Completion Period -12 months.
- 7) **Warranty:** - The firm should give warranty of all items for one years from date of commission. If any defect is noticed due to poor workmanship or poor material, he will arrange to promptly replace the item at his own cost, otherwise the cost of material will be deduced in the subsequent bills or security deposit, whichever railway deem necessary. No extra charge will be given for such replacement during warranty period.
- 8) If any spare fails during warranty period, the same has to be replaced by contractor with new one with contractor's own expenses. The same has to be attended in such a manner that working of machine is not withheld. If progress of machine is held on this account, railway will be at freedom to get it attended from any other agency and cost may be recovered from contractor with penalty of Rs. 1000/- minimum in each case.
- 9) Repaired/replaced parts will also have warranty period same as new one.
- 10) Repeated failures will be treated as a Railway loss and may be recovered from the firm as decided by competent authority. In the event of failure on account of bad workmanship/ non-adherence to quality norms as required, a token penalty of Rs.5000/- shall be imposed on per occasion & no payment will be made for attending the same.
- 11) All the items to be fitted /supplied should be as per RDSO approved Brand. wherever brand/make not available as per RDSO, Reputed brand/ make can be used but it should be approved by Engineer in-charge before fitment on Machine. All the material has to be got inspected from Engineer In-charge before use.
- 12) Wherever change of brand is required due to any unavailability of particular brand or any other unforeseen circumstances, then it should be got approved from DY CE/TM/BPL before actual fitment.
- 13) During fitting or handling of any spare, supplied by the contractor, if any damage occurs, then railway will not make any payment for that. Entire loss is to be borne by contractor.

- 14) If any Railways material, plant or equipment damages during working, the contractor will compensate/repair/replace the same and commission that free of cost. Repair should be up to the satisfaction of engineer in charge, otherwise railway will get it repaired by its own and actual expenditure will be recovered from contractor's payment as per railway rules.
- 15) Contractor can use EOT crane, lathe machine, generator, Synchronised jacks of railway etc. in the shed, if it is freely available and in working condition. If it is engaged in any other work then contractor will make his own arrangement. Railway will not make any extra arrangement for contractor. Railway plants have to be handled/operated by trained staff only. Railway will not be liable for any accident or injury to contractor's staff during use of railways plant.
- 16) Electricity, water and compressed air will be supplied free of cost to contractor. However, railway will not make any new or additional arrangement for this supply. Railway will also not make any compensation for any electric or water supply failure. Contractor will use all railways plants and fixtures carefully and maintain them in good state during the work with his own expenditure and handover back in good working condition after completion of work.
- 17) All released material will be property of railway and has to be returned back to SSE/IOH/BPL or SSE/STMD's/JBP/KOTA daily in the end of day.
- 18) All items supplied by contractor should be new and to be purchased from authorised shops with proper bills. Material should be brought in ZTMD in company packed condition and to be un-packed/opened in presence of SSE/IOH or SSE/STMD's. SSE/IOH or SSE/STMD's may demand for copy of the bill of material for verification of genuineness of material. Any reconditioned or refurbished item will not be accepted.
- 19) Normally ZTMD remains open in all official working days and work has to be done during official timing of the depot. However, in case of exigencies, work may be done on Sundays and holidays. Night working may also be resorted. Contractor has to engage separate teams for night working to avoid any violation of labour laws.
- 20) A site order book will be maintained in depot. All instructions, approval of brands etc will be communicated to contractor in writing daily. Contractor's representative must check and sign the site order book daily.
- 21) The contractor should engage an experienced employee for carrying out entire work. That employee must have minimum diploma or ITI from any recognised institute in related discipline and minimum field experience of one years in repair and maintenance of any heavy machine. Contractor has to engage competent and trained technicians and helpers for carrying out the work.
- 22) Contractor has to provide list of staff engaged for the work along with their names, designation, address (with self-attested copy of Aadhaar card), contact number and police verification (not older than 6 months). Provisional Identity cards will be issued by contractor. Staff has to keep and produce Identity Card on demand all the time.
- 23) Contractor's staff should be well behaved and disciplined and must obey the instructions of Engineer Incharge (SSE/IOH or SSE/STMD's/JBP/KOTA) of nominated depots wherever machine is stabled i.e BPL/JBP/Kota. Engineer In charge may demand to replace any contractor's staff on account of poor behaviour, poor workmanship, doubtful integrity or indiscipline. Decision of SSE/IOH or SSE/STMD's in this regard will be final and binding.
- 24) Contractor's staff must use adequate safety gadgets for safe working during the work. Safety gadgets are to be provided by contractor.

- 25) Works done are to be recorded daily in the register by contractor's employee and get verified at the end of the day by Engineer Incharge.
- 26) After IOH/POH/Repairing, machine will be tested by railway. Contractor's employee should be available at the time of testing and be ready to replace any malfunctioning part supply by him immediately.
- 27) The issue of the agreement will be binding contact between the Tenderer and the railway.
- 28) Tender will be governed by the latest general conditions of the contract (GCC) 2022, with upto date correction slips.
- 29) GST Act 2017
- (a) All the bidders/ tender ensure that they are GST compliant, and their tax structure/ rates are as per GST Law.
- (b) In Case the successful tenderer is not liable, to be register under CGST/IGST/UGST/SGST Act, the Railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned tax Authority.
- 30) All other terms and conditions of tender document will be applicable.
- 31) PG (Performance guarantee): As per GCC applicable.
- 32) Arbitration: As per GCC applicable.

SN	Description	Qty	Unit	Total Value in Rs. (Inclusive of GST)
1	Various Types of Electrical Works during IOH/POH/Repair of Track Machine for year 2026-27. Make: As per RDSO approved brand.	01	Job	8109574.78/-
Total (In Rs.)				8109574.78

Schedule: - A) Supply and fixing following cables in electrical circuit on Track Machines by duly replacing old cables.

NS	Description	Qty	Unit	Rates	Amount
1	Providing & fixing of Cable. Part No OY 2X0.5 SQ. MM	2200	Metre	72.49	159478.00
2	Providing & fixing of Cable. Part No CY-2X0.5 SQ. MM	300	Metre	78.20	23460.00
3	Providing & fixing of Cable. Part No OY 2X1.0 SQ. MM	500	Metre	155.14	77570.00
4	Providing & fixing of Cable. Part No OY 2X1.5 SQ. MM	500	Metre	68.19	34095.00
5	Providing & fixing of Cable. Part No OY 2X2.5 SQ. MM	200	Metre	102.69	20538.00
6	Providing & fixing of Cable. Part No CY 3X0.5 SQ. MM	100	Metre	178.31	17831.00
7	Providing & fixing of Cable. Part No OY 3X1.5 SQ. MM.0	100	Metre	302.11	30211.00
8	Providing & fixing of Cable. Part No OY 4X0.5 SQ. MM	500	Metre	152.42	76210.00
9	Providing & fixing of Cable. Part No CY 4X0.5 SQ. MM	600	Metre	152.42	91452.00
10	Providing & fixing of Cable. Part No OY 4X1.5 SQ. MM	150	Metre	1725.12	258768.00
11	Providing & fixing of Cable. Part No OY 7X0.5 SQ. MM	200	Metre	226.98	45396.00

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NS	Description	Qty	Unit	Rates	Amount
12	Providing & fixing of Cable. Part No OY 7X1.5 SQ. MM	100	Metre	498.33	49833.00
13	Providing & fixing of Cable. Part No OY 10X1.0 SQ. MM	100	Metre	538.01	53801.00
14	Providing & fixing of Cable. Part No OY 18X0.5 SQ. MM	200	Metre	649.85	129970.00
15	Providing & fixing of Cable. Part No OY 18X1.5 SQ. MM	200	Metre	924.50	184900.00
16	Providing & fixing of Cable. Part No OY 25X0.5 SQ. MM	200	Metre	548.60	109720.00
17	Providing & fixing of Cable. Part No OY 40X0.5 SQ. MM	200	Metre	1725.12	345024.00
18	Providing & fixing of Cable. Part No WIRE GOUEF 6MM2	50	Metre	293.04	14652.00
19	Providing & fixing of Cable. Part No WIRE GOUEF 10MM2	50	Metre	341.89	17094.50
20	Providing & fixing of Cable. Part No OY-35 SQ. MM	100	Metre	501.00	50100.00
21	Providing & fixing of Cable. Part No OY-75 SQ. MM	150	Metre	1124.32	168648.00
22	Providing & fixing of Cable. Part No OY-95 SQ. MM	100	Metre	1030.10	103010.00
Schedule Total (including all taxes)					2061761.50

Schedule: -B) Overhauling of Various panels of track Machines as per schedule. (Schedule of work mentioned below)

NS	Description	Qty	Unit	Rates	Amount
1	Overhauling of panel B2/B5/B7 of Tamping Machines DUO/UNI/DGS by replacement of internal wires including dismantling & fixing to &Fro Machines as per OEM cable List and drawing with testing for functioning as per OEM diagram.	04	JOB	45280.59	181122.36
2	Overhauling of panel B4/B11/B33 of Tamping Machines DUO/UNI/DGS by replacement of internal wires including dismantling & fixing to &Fro Machines as per OEM cable List and drawing with testing for functioning as per OEM diagram.	04	JOB	20124.70	80498.80
3	Overhauling of panel B53/B95 of Tamping Machines DUO/UNI/DGS by replacement of internal wires including dismantling & fixing to &Fro Machines as per OEM cable List and drawing with testing for functioning as per OEM diagram.	04	JOB	12207.51	48830.04

NS	Description	Qty	Unit	Rates	Amount
4	Overhauling of panel B22/B24/B28 of Tamping Machines DUO/UNI/DGS by replacement of internal wires including dismantling & fixing to &Fro Machines as per OEM cable List and drawing with testing for functioning as per OEM diagram.	04	JOB	15939.65	63758.60
5	Overhauling of panel U182/U62 of BCM by replacement of internal wires including dismantling & fixing to &Fro Machines as per OEM cable List and drawing with testing for functioning as per OEM diagram.	01	JOB	96021.66	96021.66
6	Overhauling of panel B13/B23/U61 of Tamping Machines DUO/UNI/DGS/ BCM by replacement of internal wires including dismantling & fixing to &Fro Machines as per OEM cable List and drawing with testing for functioning as per OEM diagram.	06	JOB	26786.61	160719.66
Schedule Total (including all taxes)					630951.12

Schedule:-C) Providing & Commissioning of intercom and wiper System/emergency backup/hooters & commissioning emergency back-up system on different types of track machine .(Schedule of work mentioned below)

NS	Description	Qty	Unit	Rates	Amount
1	Supply and commissioning of intercom system with a set consisting of 3 mikes and 3 speakers connecting both cabins of machines. The Work includes cost of mike , speaker, cable & any other allied item required to make the system fully functional.	05	JOB	38610.43	193052.15
2	Supply & Fitment of electrically operated 24 V hooter with proper connections from both front and rear cabin for operation. The work includes supply of battery operated remote control having a range of 150 m to operate the hooter, all necessary connections in the machine for operation etc.	08	JOB	25044.67	200357.36
3	Providing and Fixing of wiper motor, arm and wiper blade of single blade system on different type of Track Machine.	15	JOB	4492.81	67392.15
4	Providing and Fixing of wiper arm, wiper blade of single blade System(12")	20	Numbers	1079.27	21585.40
5	Providing and fixing of wiper arm, wiper blade of single blade system (16")	20	Numbers	1170.58	23411.60
6	Providing and fixing of wiper arm, wiper blade of single blade system (24")	20	Numbers	1685.32	33706.40
Schedule Total (including all taxes)					539505.06

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Schedule:-D) Electrical Spares required for different types of Track Machine.

NS	Description	Qty	Unit	Rates	Amount
1	Thimble Part No. 1.5 MM	1500	Nos.	5.99	8985.00
2	Thimble Part No. 1.0 mm	1500	Nos.	4.77	7155.00
3	Thimble Part No. 0.5mm	2500	Nos.	3.57	8925.00
4	Electric Horn Part No.24 DC	40	Nos.	497.59	19903.60
5	Head Light Assembly Part No.24DC X 70W	40	Nos.	539.56	21582.40
6	Cabin Fan Part No. 24 VDC/300mm	40	Nos.	2158.28	86331.20
7	Cable Tie Part No. 100mm	2000	Nos.	4.77	9540.00
8	Cable Tie Part No. 150mm	1000	Nos.	5.56	5560.00
9	Cable Tie Part No. 200mm	2000	Nos.	5.99	11980.00
10	Cable Tie Part No. 300mm	2000	Nos.	7.19	14380.00
11	Insulation Tape Part No. 2cmX10mtr	200	Nos.	16.77	3354.00
12	Transducer Socket (Straight) Part No. EL-T-272 SA	12	Nos.	3177.46	38129.52
13	Transducer Socket (90 degree) Part No. EL-T-273-A	10	Nos.	3417.27	34172.70
14	Contact Element Part No- NO	60	Nos.	161.87	9712.20
15	Contact Element Part No- NC	30	Nos.	161.87	4856.10
16	Limit Switch Part No. LL-1	50	Nos.	899.28	44964.00
17	Limit Switch (Long Lever Roller Type) Part No. LLA	10	Nos.	913.53	9135.30
18	Limit Switch (Long Lever wire Type) Part No. LCW	5	Nos.	1084.83	5424.15
19	Pendulum Socket Part No.ELT-7056S-6POL	16	Nos.	3417.27	54676.32
20	Servo Valve Socket Part No. EL-T 82	12	Nos.	3417.27	41007.24
21	Potentiometer Part No. EL-T500 HQD/C	15	Nos.	11750.62	176259.30
22	Potentiometer Part No. ELT-595 C/D	10	Nos.	22781.74	227817.40
23	Proximity Switch Part No. ELT -1422 K/U	50	Nos.	10671.48	533574.00
24	3- Position Switch Part No. EL-T 1050DL3/WEISS, FL,RS,LS	50	Nos.	4556.36	227818.00
25	2-position switch Part No.EL-T1050-DL2/WEISS, FL,RS	40	Nos.	3896.88	155875.20
26	Key Button Part No.EL-T 1301.5601	10	Nos.	1858.50	18585.00
27	Push Button (red) Part No.EL-T 1301.1205	40	Nos.	2937.65	117506.00
28	Push Button (White) Part No. ELT-1301.1204	40	Nos.	2937.65	117506.00
29	Push button switch Part No.ELT1301.5605	10	Nos.	2937.65	29376.50
30	Joystick-2 way Part No. EL-T 7190-22	15	Nos.	5335.73	80035.95
31	Micro fuse Part No. EL-T 272-4A	30	Nos.	141.48	4244.40
32	Square white illumination switch part no. EL-T 1301.5602+EL-T1301.4013+28V1,4WT5.5	25	Nos.	4676.26	116906.50
33	Square red illumination switch Part No. EL-T1301.5602+EL-T1301.4013+28V1,4WT5.6	20	Nos.	4676.26	93525.20
34	Battery Terminals	50	Nos.	85.63	4281.50

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NS	Description	Qty	Unit	Rates	Amount
35	Battery Lugs (2.5mm, 4mm, 6mm, 10mm, 70mm, 95mm) insert timble or as required	400	Nos.	85.63	34252.00
36	White illumination Light (Round)	20	Nos.	570.96	11419.20
37	Green illumination Indicator light (Round)	30	Nos.	570.96	17128.80
38	LED Trail Assembly Part No. 24V DC X 21W	30	Nos.	1387.84	41635.20
39	LED based working light Assembly Part No. 24V/35W	150	Nos.	1676.49	251473.50
40	Cabin Tube Light Part No. AZ 215EVG- E 24V DC	30	Nos.	2944.80	88344.00
41	Solenoid Plug (HYD) Part No. ELT-7078	400	Nos.	446.10	178440.00
42	Solenoid Plug (PNU) Part NO.ELT-7079	200	Nos.	446.10	89220.00
43	Electrical Cable Channel Part No. 25X25X1000mm	10	Nos.	3096.26	30962.60
44	Electrical Cable Channel Part No. 50X50X1000mm	10	Nos.	2709.23	27092.30
45	PCB Part No. EL-T1163	10	Nos.	23636.18	236361.80
46	Joystick-4 way Part No- EL-T7190-24	22	Nos.	7276.21	160076.62
47	Cable Sticker Part No- 4mm2	2000	Nos.	16.77	33540.00
48	Connector Part No- MBK-3	500	Nos.	55.88	27940.00
49	Engine Stopper Switch	30	Nos.	1770.02	53100.60
50	Oil Pressure Sensor Part No. 360.081/030/37 (0-10bar)	10	Nos.	5418.45	54184.50
51	Oil Pressure Gauge 0-10 bar PART NO-ELT1256.00A	10	Nos.	13501.00	135010.00
52	Water Temperature Sensor Part No. 323.801/028/001	10	Nos.	12945.12	129451.20
53	Water Temperature Gauge Part No. EL-T1200/100B	10	Nos.	7666.57	76665.70
54	Transducer Part No. NI30-K40SR-VN4X2	25	Nos.	29500.00	737500.00
55	Red Illumination Indicator Light(SQUARE TYPE)	15	Nos.	570.96	8564.40
56	White Illumination Switch (Round Type)	20	Nos.	2797.75	55955.00
57	Green Illumination Switch (Round Type)	20	Nos.	2797.75	55955.00
Schedule Total (including all taxes)					4877357.10

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Schedule of work for overhauling of various panels of track machines

1. All old / damaged internal wires in the control panel box should be removed.
2. All components should be removed from panel boxes for complete rewiring of panel box.
3. Internal wires should be replaced by new wires which will be supplied by Railways.
4. All components to be refitted as per location diagram of panel box as per OEM.
5. Defective components like PCB, relays, NO-NC contacts, switches, loadstar etc. Should be replaced during overhauling.
6. Connection no. of each wires shall be marked by permanent marker pen or any other suitable means on sleeve and to be fixed in proper location. Sleeve and marker pen will be provided by the contractor.
7. Thimbles for wire connection should be properly crimped to prevent loose connection.
8. Dressing of all wires and cables should be done properly so that all components, connection no. should clearly visible.
9. Functional testing related with overhauled panel should be done by the contractor.
10. The contractor will have to complete the work within 15 days from the date of work started.
11. Work done shall be inspected by SSE/IOH or SSE/STMD's for its correctness.

Schedule of work for providing & commissioning of intercom and wiper system

1. A survey report will be prepared along with contractor, machine Incharge and SSE/IOH or SSE/STMD's.
2. Materials like mike, speaker, wiper motor, and wiper blades will be replaced/ repaired will be decided by Railway according to the survey report.
3. In repairing of PCB EL-T 631 all components will be provided by Contractor.
4. Work of Intercom and wiper system will be mounted and got tested by contractor and get verified by machine In charge and SSE/IOH or SSE/STMD's .
5. Work will be inspected by SSE/IOH or SSE/STMD's.
6. Payment will be made after satisfactory working certified by SSE/IOH or SSE/STMD's.
