

## **SPECIAL CONDITIONS FOR AT WELDING**

1. Indian Railway Standard Specification for Fusion Welding of Rails by Alumino Thermic Process Serial No. IRST-19-2021(with latest correction slips) issued by RDSO shall be followed.
2. The contractor shall not commence any work without the presence of the authorized Railway supervisor at site.
3. The work shall be carried out under traffic conditions. The contractor shall take full responsibility for the safety of his labour, materials, and equipment. Any incident arising due to negligence on his part shall be entirely his responsibility. The contractor shall complete the work within the stipulated time.
4. The contractor shall be responsible for the safe passage of trains. Train movements shall be permitted only with the approval of the Supervisor/Engineer-in-charge for the track portion under execution. Any violation shall render the contractor liable for all damages caused due to negligence of his staff.
5. In the event of any accident at the work site, if it is established during departmental enquiry that the accident occurred wholly or partly due to any act or omission amounting to negligence by the contractor or his labour in not adhering to the instructions of the Engineer-in-charge, the contractor shall be liable for damages and shall face legal action, including prosecution in case of loss of life.
6. No claim shall be admissible towards loss of time, idle labour, or any other losses incurred due to train movements. The rates quoted shall be deemed to include all such contingencies.
7. The contractor shall ensure that the track gauge is checked and maintained correctly before permitting the passage of any train.
8. Wherever road vehicles and/or machinery are required to operate near the railway track, the work shall be carried out without infringing the Schedule of Dimensions. The working area shall be clearly demarcated and acknowledged by the contractor. Adequate care shall be taken during turning/reversal of vehicles, and barricading shall be provided wherever necessary based on site conditions.
9. If work is required to be executed beyond day light hours, the contractor shall arrange adequate lighting at site.
10. The Railway Administration shall not be responsible for the safety of the contractor's labour engaged for this work.
11. The Railway Administration reserves the right to requisition contractor's vehicles and equipment in case of accidents or natural calamities involving human lives.
12. The contractor shall be primarily responsible for the safety of train operations and his workforce at the work site. No compensation shall be payable by the Railway for any damage to contractor's men or materials.

The Engineer-in-charge may impose additional safety conditions as required for specific sites.

13. Any damage caused to Signalling & Telecommunication cables during execution shall attract recovery/penalty at applicable rates from the contractor's bills.
14. The contractor shall develop and maintain service roads/approach roads wherever required at his own cost. No extra payment shall be made for this, including provision of ramps.
15. The contractor shall clear the site completely after completion of work.
16. The quantities indicated in the schedule are approximate and may be increased or decreased at the discretion of the Engineer-in-charge. Payment shall be made for actual quantities executed.
17. The contractor shall be responsible for proper accounting of all materials issued to him and all released materials/fittings. All such materials shall be returned to the designated depot with proper records.
18. The contractor shall make his own arrangements for labour, tools, plants, machinery, and other resources at his own cost.
19. No plant or machinery will be supplied by the Railway. The contractor shall arrange all required equipment at his own expense.
20. In cases where P.Way materials are to be transported across tracks, movement shall be carried out under the supervision of SE/P.Way or his representative, ensuring no obstruction to train movement.
21. The description of items in the schedule is brief. Detailed specifications shall be as per **USSOR-2021 (with latest correction slips)**.
22. The contractor shall arrange his own power supply, including generators, for execution of works such as drilling, welding, etc.
23. The contractor shall deploy necessary small track machines at his own cost. Any damage, repair, or maintenance of such machines shall be borne by the contractor.
24. Rates shall be quoted considering that welding works will be carried out only during traffic blocks. The Railway does not guarantee availability of any specific number or duration of blocks.
25. Testing of welds shall be carried out through approved agencies as per RDSO norms, wherever applicable.
26. Transportation of materials, machinery, and manpower shall be the responsibility of the contractor, and rates shall be quoted accordingly.
27. The Railway does not guarantee continuous work at a single location. The contractor shall plan resources accordingly.

  
Sr.DEN/West/SC

## SCR Unified Standard Schedule of Rates - 2021

### Annexure - I

The accessories, meeting applicable RDSO Specification No IRST/19-2020 with latest amendment, are considered integral part of AT welding portions of respective Rail section and shall be supplied free of cost as per following yardstick.

Sl.No	Description of Item	Qty to be Supplied	Remarks
1	Pre-fabricated 3 piece moulds with cake piece	**110 Units complete with every 100 Portions	1. The quantity to be supplied shall be in whole Nos in the specified ratio or part thereof. 2. **Extra quantity towards damages/ breakages etc., and the rates quoted are inclusive of this extra quantity and no extra payment will be there
2	Dry Luting Sand	3.5 Kg per portion in individual packets	
3	Single Shot crucible charge	1 No for each portion	
4	Auto tapping thimble	1 No for each portion	
5	Ignition Matches	**105 Units complete with every 100 Portions	
6	Mould shoe	1 Set per 50 Nos of Portions	
7	Mould pressure clamp	1 Set per 500 Nos of Portions	
8	Torch burner complete	1 Set per 200 Nos of Portions	
9	Torch burner Keys	1 per 500 Nos of Portions	
10	Goose neck arrangement for vaporization	1 per 500 Nos of Portions	
11	Connecting Hose pipe	1 per 1000 Nos of Portions	
12	Torch burner stand	1 per 1000 Nos of Portions	
13	Aluminium / Steel rod for thermal plugging	1 per 800 Nos of Portions	
14	Stop Watch	1 per 800 Nos of Portions	
15	Adjustment spanner	1 per 800 Nos of Portions	
16	Hot sets Chisels for emergency use	1 per 500 Nos of Portions	
17	Pliers	1 per 800 Nos of Portions	
18	Steel Wire brush	1 per 400 Nos of Portions	
19	Slag Container Bowl	1 per 500 Nos of Portions	
20	Weld Grinding Stone (Top Flexible High speed) (150x120x50/22.23) mm)	1 per 10 Nos of Portions	
21	Trimmer cutter hydraulic pressure pipe with connecting arrangement	1 pipe per 300 Portions	
22	Trimmer Cutter Blade (Fixing arrangement)	1 Set per 300 portions	
23	Rail cover	1 Set per 100 portions	
24	Hammer 1016	2 Nos per 800 portions	
25	Thermal Chalks	1 per 800 Portions	
26	10 cm Long Gauge	1 per 800 Portions	
27	1 m long Gauge	1 per 800 Portions	
28	Filler Gauge shims	1 per 800 Portions	
29	Pressure Gauge	2 Nos per 800 portions	
30	Weld Cover	1 Nos per 800 portions	