

## Price Bid Format

## Schedule of Quantities &amp; Rates

Name of Work: "Construction of Permanent way for tower wagon shed and siding (Gr 239, Gr 240, Gr 241) for Railway Electrification Birlanagar-Etawah 386RKM/440TKM project"

Item.No	DESCRIPTION	UNIT	QTY	Rate (in Rs.)	Amount(in Rs.)	Weightage (%)	Remarks
A	B	C	D	E	F	G	H
1	Leading miscellaneous materials such as iron work, rails, fittings & fastenings, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams / slabs etc and all similar articles (each individual article or bundle being not more than 3.5 metres long in the longest direction) including all loading, unloading and stacking, lead over 500m and upto 10 km. Note : Lead under this item is payable when the same exceeds 500m.	MT	810			0.2777	
2	Additional lead for every subsequent km or part thereof, over 10 km and upto 100 km over item no. 021150.	MT/Km	72900			1.1218	
3	Additional lead for every subsequent km or part thereof, over 100 km and upto 400 km over item no. 021150 & 021151	MT/Km	162000			2.2737	
4	Leading miscellaneous materials such as iron work, rails, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams / slabs etc. and all similar articles (each individual article or bundle being more than 3.5 metres long in the longest direction) by truck, traylor, etc including all loading, unloading and stacking, lead over 500m and upto 10 km. Note : Lead under this item is payable when the same exceeds 500m.	MT	540			0.1978	
5	Additional lead for every subsequent km or part thereof, over 10 km and upto 100 km over item no. 021170	MT/Km	48600			0.8777	
6	Additional lead for every subsequent km or part thereof, over 100 km and upto 400 km over item nos. 021170 & 021171	MT/Km	30780			0.4171	
7	Laying of PSC sleeper at the location of the existing location of sleeper or at new location as the case may be in runnig/block traffic following all operation of removing ballast old sleeper, fittings, putting new sleepers, fittings and fixing fastening with proper tools, following all required operations as laid down in TSR work etc.	Numbers	2925			0.5731	
8	Linking of new BG track on main line/ loop line on any type of sleeper on straight and curved alignment using 52Kg/90R or 60kg/90UTS rails,(single rails/Pre-welded panels) with fittings and fastenings with all contractors labour, T&P including all lead, lift etc complete.	R metre	2250			0.9604	
9	End cropping & cutting of 52/60Kg rail at true vertical plane on running track with or with block, with contractor's own labour, tools plants and equipments all complete and as per direction of the engineer in charge at the site of work all complete.	Numbers	1125			0.2154	

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Item.No	DESCRIPTION	UNIT	QTY	Rate (in Rs.)	Amount(in Rs.)	Weightage (%)	Remarks
A	B	C	D	E	F	G	H
10	Drilling 32mm dia holes in 52/60kg rails for fish plated joints as per direction of the engineer in charge at site of the work with contractors own labour, tools and plants all complete.	Numbers	1575			0.2197	
11	Systematic through packing of initially pack BG track laid with PSC sleeper on main line/loop/siding over running line as per IRPWM para 234 with contractors skilled labours, tools and equipments, gauges as per specification and satisfaction of Engineer-in-charge at site a) 1st round packing.	R metre	2250			0.1592	
12	2nd round packing	R metre	2250			0.1461	
13	3rd round packing	R metre	2250			0.0961	
14	4th round packing	R metre	2250			0.0769	
15	Welding of rail joints 60kg/90 UTS rail in situ by AT SKV process by using three pieces mould and compressed air petrol mixture preheating system as per standard specification by RDSO approved Welder with contractor's own tools and requisite welding plants. Rate also include supply of welding portion.	Per Joint	675			7.3061	
16	Pulling back 60kg/52kg rails in running track with block including loosening of all necessary fittings ( including cutting of track welds if any ) and tightening of the fittings after pulling back , gauging, aligning and squaring of sleepers and adjusting the joint sleepers in proper position as per direction of the Engineer in charge or his authorized representative at site of work with contractors own labour tools and plants all complete with one round of initial packing for safe running of track at sectional speed.	R metre	3600			0.081	
				ere	ere		

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Item.No	DESCRIPTION	UNIT	QTY	Rate (in Rs.)	Amount(in Rs.)	Weightage (%)	Remarks
A	B	C	D	E	F	G	H
17	Painting of rail except top face with bituminous paint (two coat) of anti corrosive bituminous black conforming to IS: 9862 as per direction of the Engineer in charge or his authorized representative at site of work with contractors own labour tools and plants. Cost of paint etc. second coat shall apply after drying of first coat.	R metre	4500	Bidders not to quote or write anything here	Bidders not to quote or write anything here	0.2382	
18	Greasing of ERC and treatment of rail surface near liner and scaling of liner with approved quality grease etc. as per specified procedure and as per direction of the engineer in charge or his authorized representative at site of work with contactor's labour, tools, plants and equipments all complete. The rate includes supply of grease graphite conforming to IS: 408 - 1981 Grade 'O' as per requirement. Rate also includes scaling of liners by grease around three edges on the rail foot, greasing between rail foot & liner Sealing insert etc. Consumption of grease graphite will be taken 1 Kg per 18 sleepers.	Per Sleeper	3375			0.0922	
19	Manufacturing and Supplying of 50mm size machine crushed ballast of approved variety (Pakur variety) with all lead lift ascent, descent and X-ing Rly track, road or other obstruction loading, unloading transporting and royalty charges etc. complete specification of ballast should be as per latest ballast supply procedure issued by CE/NFR/ Mligaon at operation by contractor's own labour and T&P.	cum	6750			27.2982	
20	Supplying and stacking of unscreened shingle of approved quality in cess along the track and spreading uniformity on the formation for raising the formation with contractor's labour and tools necessary for spreading with all leads, crossing of track, roads, any other obstruction etc. and any other obstruction etc. and any lift complete as per standard of BG profile. It also includes the compaction with vibratory roller/manual with lead upto 250 m.	cum	3240			3.8124	

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Item.No	DESCRIPTION	UNIT	QTY	Rate (in Rs.)	Amount(in Rs.)	Weightage (%)	Remarks
A	B	C	D	E	F	G	H
21	Carriage of new PSC points and crossing sleeper of different sizes from NJP to work site in connection with RE works including Contractor's own transport, labour, tools and plants and unloading etc. at site. a) 1 in 8 1/2 Turn out.	Set	10			0.3416	
22	b) Derailing Switch	Set	10			0.2562	
23	Assembling and insertion of 52kg/60kg/90R Pts and X-ing with rails and sleepers of any type complete with all fittings a) 1 in 8 1/2 Turn out.	Set	10			0.8197	
24	b) Derailing Switch	Set	10			0.2989	
25	Construction of Box type buffer with wooden steel sleepers scrap including filling earth and levelling sleepers fixing Buffers.	Each	10			0.51	
26	Linking of rails over dip/shallow pit with 52kg/60kg/90R rail/pannels with conventional fittings or with p clips.	Per Metre of Rail	225			0.0922	
27	Manufacturing supplying and fixing in position 25mm dia 300mm long lewis bolts into existing hold.	MT	2.25			0.365	
28	Spreading of ballast in track as supplied with all lead, lifts descents crossing of running track etc. uniformly in track with a lead of 250 mt. on either side and making standard ballast profile as per Fig 4.2 (1) and Fig 4.2.1 © for single line and double line BG respectively as per Manual of instruction of long welded rails 1996 and as per annexure-2/11 and 2/13 para 263 of IRPWM/1986 and as per direction of the Engineer-in-Charge at site with contractors labour, tools and equipment.	cum	6750			0.9755	
29	Opening out and removing of ballast from BG running track under traffic upto 250mm depth below Concrete sleeper screening and cleaning ballast over wire screen disposing of muck away from the track and spreading evenly on the slop.	R metre	900			0.2876	

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Item.No	DESCRIPTION	UNIT	QTY	Rate (in Rs.)	Amount(in Rs.)	Weightage (%)	Remarks
A	B	C	D	E	F	G	H
30	Insertion of Glued Joints at different station yard as per attached list (52kg/60kg) as per direction of the Engineer-in-charge or his authorised representative at site including assistance to welding with Contractore's own labour, plants, tools and equipment all complete	Each	54			0.302	
31	Supplying and laying blanketing own blasting material on top of embankment /cutting in layer of these cess about 20cm to 30cm each total 100cm and compacting the same layer by using contractor's own suitable heavy vibrators roller 10/12/30 T at Presscribed OMC to achieve at least 98% compaction of MDD as per modified proctor test, and to make the embankment to correct profile as per RDSO latest guide line and specifications and special contract. The rates ae inclusive of procurement of materials with all lead, lift, mixing/blending with the help of tractor/mounted disc barrow or any other suitable means, spreading, watering, compacting with contactor's own machineries, equipment, labour, inclusive all taxes, royalties, octroi etc. complete and dressing of slope and top surface to required level subject to satisfaction of Engineer-in-charge.	cum	19593.9			41.1556	
32	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and paid for in layers of 1.5m each, including incidental work, as per specifications-in All kinds of soils	cum	12010.95			2.1325	

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Item.No	DESCRIPTION	UNIT	QTY	Rate (in Rs.)	Amount(in Rs.)	Weightage (%)	Remarks
A	B	C	D	E	F	G	H
33	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling. taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special conditions of contract	cum	12010.95			5.1927	

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34	Earthwork in cutting (Classified) in formation, trolley refuges, side drains, level crossing approaches, platforms, catch water drains, diversion of nallah & finishing to required dimension and slopes to obtain a neat appearance to standard profile inclusive of all labour, machine and materials and removing & leading all cut spoils either to make spoil dumps beyond 10m. from cutting edge or for filling in embankment with all leads within the section limit, lifts, ascent, descent, loading, unloading, all taxes/royalty, clearance of site and all incidental charges, bailing & pumping out water if required, etc., complete as per directions of the Engineer-in-Charge. The work is to be executed as per Latest / updated edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow. Cut trees shall be property of Railways and to be deposited in the railway godown unless specified otherwise in the Special conditions of contract In all conditions and classifications of soil except rock	cum	500			0.1212	
35	Extra for mechanical compaction of earth/blanketing material filled in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes incl. cost of water, T&P consumable material and all labour as a complete job. The work is to be executed as per Latest edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow	cum	24021.9			0.7085	
	<b>Total (Bidder to be quote Amount) in figures</b>					100	
	<b>Total (Bidder to be quote Amount) in words</b>						

**Note:**

1	Bidders should quote only the Total Amount both in figures & words in the specified place. They should not fill/quote/write anything in col. (E) & (F) . These rates & amount will be derived from the Total amount quoted and weightage factor assigned against respective items indicated in col. G.
2	Evaluation Shall be based on total amount quoted by bidder.
3	The rate and amount are inclusive of all applicable taxes, except for the GST. For details of taxes, clause no. 13.0 of the SCC will be applicable.
4	Details of BOQ items shall be read in conjunction with the corresponding specifications, drawings and other tender terms.