

CHAPTER - 24 : FENCING AND BOUNDARY MARKS				
Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
241010	Supplying at site -			
241011	Precast R.C.C. standard posts (for barbed wire fencing) 1.8m long	Each	504.98	
241012	Precast R.C.C. standard struts 2.0metres long	Each	411.00	
241013	Precast R.C.C. standard posts (for palisade fencing) 1.8m long	Each	392.31	
241014	Precast R.C.C. standard rails 2.25 metre long (90mm x 50mm) as per IR Unified Standard	Each	274.89	
241015	Precast R.C.C. standard rails 1.25 metre long (75mm x 50mm) as per IR Unified Standard	Each	116.15	
241016	Sal ballies of 30cm minimum girth	metre	135.02	
241017	Casurina post of 30 cm minimum girth	metre	107.63	
241018	MS angle posts/ struts, of required size, including bottom to be split and bent at right angle in opposite direction for 10cm length and drilling holes upto 10mm dia. etc. complete	Kg	48.29	
241019	MS angle of required size for rails of palisade fencing	Kg	48.29	
241020	Supplying at site -			
241021	Welded steel wire fabric of required width rectangular mesh 75x25mm size, weight not less than 7.75kg/ Sqm painted with two or more coats of enamel paint of approved shade over a coat of primer (painting to be paid for separately)	Sqm	444.51	
241022	Chain Link fabric mesh of size 50X50 mm size made of GI wire of 4 mm dia.	Sqm	415.31	
241023	Chain Link fabric mesh of size 50X50 mm size made of GI wire of 4 mm dia. PVC coated to outer dia of 5 mm	Sqm	554.24	
	Providing and Fixing Fencing			
242010	Providing 1.2m high fencing with 1.8m R.C.C. Post placed every 3m apart, embedded in cement concrete blocks, every 15th post (or nearer if there is abrupt change of ground slope), last but one end post and corner post shall be strutted on both sides and end post one side only, and struts embedded in cement concrete blocks, provided with 5 horizontal lines and two diagonals of G.I. barbed wire 9.38kg per 100metres (min) between the two posts fitted and fixed with G.I. staples on turn buckles or G.I. binding wire tied to 6mm bar ribs fixed while casting the post (cost of posts, struts and concrete to be paid for separately)	metre	46.47	As per site condition

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
242020	Providing 1.2m high fencing with 1.8m Sal balli/Casurina ballies posts, 30cm girth (min) placed every 2.5m apart, embedded in cement concrete blocks and every 15th post (or nearer if there is abrupt change of ground slope) , last but one end post and corner post shall be strutted on both sides and end post one side only, and struts embedded in cement concrete blocks, provided with 5 horizontal lines and two diagonals of G.I. barbed wire 9.38kg per 100metres (min) between the two posts fitted and fixed with G.I. staples driven into the posts including two coats of coal tarring of ballies complete (cost of posts, struts, and concrete to be paid for separately)	metre	56.95	As per site condition
242030	Providing 1.8m high fencing with 2.5m sal balli posts, 30cm girth (min) placed every 2.5m apart, embedded in cement concrete blocks and every 15th post (or nearer if there is abrupt change of ground slope) , last but one end post and corner post shall be strutted on both sides and end post one side only, and struts embedded in cement concrete blocks, provided with 5 horizontal lines and two diagonals of G.I. barbed wire 9.38kg per 100metres (min) between the two posts fitted and fixed with G.I. staples driven into the posts including two coats of coal tarring of ballies complete (cost of posts, struts and concrete to be paid for separately).	metre	58.00	As per site condition
242040	Providing 2.4m high fencing with 3.3m sal balli posts, 30cm girth (min) placed every 2.5m apart, embedded in cement concrete blocks and every 15th post (or nearer if there is abrupt change of ground slope) , last but one end post and corner post shall be strutted on both sides and end post one side only, and struts embedded in cement concrete blocks, provided with 7 horizontal lines and two diagonals of G.I. barbed wire 9.38kg per 100metres (min) between the two posts fitted and fixed with G.I. staples driven into the posts including two coats of coal tarring of ballies complete (cost of posts, struts and concrete to be paid for separately).	metre	76.42	As per site condition

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
242050	Providing 1.2m high fencing with 1.8m angle iron 40x40x6mm posts placed every 3m centre to centre embedded in cement concrete blocks every 15th post (or nearer if there is abrupt change of ground slope) last but one end post and corner post shall be strutted on both sides and end post on one side only, and struts embedded in cement concrete blocks, and provided with 5 horizontal lines and two diagonals interwoven with horizontal GI barbed wires, of barbed wire 9.38kg per 100 metre (min) between the two posts fitted and fixed with G.I. staples, complete (cost of posts, struts and concrete to be paid for separately).	metre	46.47	As per site condition
242060	Providing 1.8m high fencing with 2.4m angle iron 50x50x6mm posts placed every 3m centre to centre embedded in cement concrete blocks every 15th posts (or nearer if there is abrupt change of ground slope) last but one end post and corner post shall be strutted on both sides and end posts on one side only, and struts embedded in cement concrete blocks, and provided with 7 horizontal lines and two diagonals interwoven with horizontal GI barbed wires, of barbed wire 9.38kg per 100 metre (min) between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete (cost of posts, struts and concrete to be paid for separately).	metre	65.72	As per site condition
242070	Extra for supplying and fixing turn buckles and straining bolts for barbed wire fencing.	Each	102.36	
242080	Supplying and fixing of barbed wire weighing 9.38 kg per 100 metre (min) on previously erected posts with wire nails, hooks, stitching bolts, binding wire etc. straight and/or cross pattern. (Rate includes drilling of holes in the post wherever required) Note: This item can also be operated as extra over Items 242010 to 242060 for fixing additional wires to those stipulated in the respective items.	per metre of barbed wire	11.32	
242090	Erection of precast RCC/MS section/Sal balli post upto 2 m height including excavation in all types of soil, filling back loose earth and consolidating etc. complete for making the post rigid. Concrete work in foundation to be paid for separately.	Each	39.72	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
242100	Providing 1.2m high welded steel wire fabric fencing /chain link fabric with 1.8m posts of specified material and design placed at every 3m apart embedded in cement concrete blocks every 15th post (or nearer as per site conditions), last but one end post and corner post shall be strutted on both sides and end post one side only and struts embedded in cement concrete blocks, provided with welded steel wire fabric 0.90m wide rectangular mesh 75x25mm size weighting not less than 7.75kg/Sqm. fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6mm bar nibs with G.I. binding wire (cost of posts, struts welded steel wire fabric, painting, and concrete to be paid for separately)	metre	16.74	
242110	Fixing posts (M.S. angle/flat) of any shape over top of wall, including making holes in masonry and fixing posts in cement concrete. (Cement Concrete to be paid separately)	Each	74.97	As per site condition
242120	Providing 1.3 metre high concrete rail and pale fencing of standard design with 1.8m R.C.C. posts 2.25m rails and 1.25m pales, posts placed at 2.25m apart (Cost of concrete work, posts, rails and pales to be paid for separately)	metre	15.45	As per site condition
242130	Making tie bar/Boiler tube fencing from old tie bars/Boiler tube, supplied by railway, including straightening, cutting, drilling holes, rivetting/welding as per approved plan and depositing the excess scrap in Railway stores. Note : Due allowance for loss in standard weight of tie bars will be made while making payments depending upon condition of the tie bars/boiler tube.	quintal	422.45	
242140	Fixing and setting chainage, bench marks, apex and TP stones in 1:2:4 RCC of approved design. (The pillars, excavation, concrete etc. will be paid extra)	Each	23.83	As per site condition
242150	Providing and fixing 15x15x90cm boundary stone of hard stone with 30cm chisel dressed on all four sides and on top (cost of excavation, refilling and concrete etc to be paid for separately)	Each	149.28	As per site condition
242160	Extra over Item 242150 for engraving letters in hard stone	cm height	2.08	
242170	Fixing Grade M-20, RCC Posts/Boards as per standard design (cost of excavation, refilling, concreting in foundation, painting and engraving if any to be paid for separately)			As per site condition
242171	Boundary Stones	Each	23.83	
242172	Kilometre Posts	Each	23.83	
242173	Hectametre Posts	Each	23.83	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
242174	Gradient Boards	Each	23.83	
242180	Extra over Item 242170 for engraving letters in RCC	cm height /letter	2.50	
242190	Providing and fixing concertina coil fencing with required dia 600 mm having 50 nos. round per 6 m length upto 3m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. stud tied with G.I. staples and G.I. clips to retain horizontal including necessary bolts or G.I. barbed wire tied to angle iron all complete as per direction of Engineer-in-charge with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm. with tape (0.52 mm thick) and weight 43.478gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	metre	176.85	
242200	Providing & fixing half bamboo jafri without gap of 20 to 25mm dia bamboos of good quality fixed half cut vertically to horizontal wooden batten of size 25mm to 40mm of ordinary wood with nails including two coats of painting with primer including all lead lift loading unloading all taxes all L&M, T&P as a complete job	Sqm	133.66	
242210	Providing & fixing full bamboo jafri without gap of 20 to 25mm dia bamboos of good quality fixed vertically to horizontal wooden batten of size 25mm to 40mm of ordinary wood with nails including two coats of painting with primer including all lead lift loading unloading all taxes all L&M, T&P as a complete job	Sqm	203.03	
	New Items To Be Added By Zonal Railways			
243010				
243020				
243030				
243040				
243050				
243060				
243070				
243080				
243090				
243100				