

SCHEDULE

**Name of work: Construction of Hockey field of standard
28 mtr x52mtr size in NIT rourkela**

SI no	Description of Item	Unit	Quantity	Rate	Amount
1	Earthwork in rough excavation banking excavated earth in layers not exceeding 20Cm in depth, breaking clods watering , rolling each layer with ½ tonne roller or wooden or steel rammers and rolling every third and top most layer with power roller of minimum 8tonne and dressing up in embankments for roads flood bans marginal banks and guide banks or filling up ground depressions lead upto 50mtr and lift upto 1.5M	Cum	1092.00		
	Chain link Fencing				
2	Providing & laying for admixing sand and morrum and laying subbase in shoulder in layers not exceeding 22.5cm watering and compacting to the required density in OMC with Prr including cost and conveyance of sub base materials and cost of all labours and hire charges of T&P required for work including cost, conveyance of all materials, taxes, cess, royalties, cost of all labour with T&P etc complete as per specification and direction of Engineer-In-charge.	Cum	327.60		
3	Providing, laying, spreading and compacting graded stone aggregate to Wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	Cum	327.60		

4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means.	Sq.M	1456.00		
5	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom.	Sq.M	1456.00		
6	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects	Cum.	109.20		
7	Providing and constructing brick drain as per standard slope and design with a layer of 10 cm thick and 75cm. wide cement concrete 1:4:8 and K.B. Brick work in cement mortar (1:6), 23 cm. width on either side with depth 7.5 cm to 30cm including cement plaster(1:6) with cement punning. (section of Drain 250x300 mm) etc complete in all respect as per direction of Engineer In charge.	RM'	160.00		

8	Supplying FIH approved global category synthetic Hockey surface with polythelyne fiber and cast in SITU shock pad laying jointing and fixing the same on the bitumenous sub base with rubberized under layer as per the FIH requirements and the pasting of Synthetic grass as per specification of the Global category FIH competition including all marking on the surface as per FIH rules and standard etc.Complete as per the instruction of Engineer-in-charge. (water less technology to be followed and the fied should be ready for play).	Sq.M	1456.00		
9	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50mm including strengthening with 2mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4mm.	Sq.M	480.00		
10	Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.cluse no-2100	Cum	10.00		
11	Providing and construction Brick Masonry Work in Cement Mortar 1:3 in Foundation complete excluding Pointing and Plastering, as per Drawing and Technical Specifications. Complete in all respect as per direction of Engineer incharge.	Cum	18.40		
12	Sand filling in foundation and trenches as per drawing & technical specification	Cum	5.60		

13	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing , balcony railing and staircases railing including applying priming coat of approved steel primer				
	ERW Tube	Kg	6000.00		
14	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS 13592 Type A including jointing with seal ring conforming to IS 5382 leaving 10mm gap for thermal expansion (i) Single socketed pipes				
	100mm diameter	RM	25.00		
15	15mm cement plaster of mix 1:4 (1 cement: 4 Sand) over rough side of half brick work	Sq.M	160.00		
16	Applying one coat of cement primer of approved brand and manufacturer on wall surface				
	Cement primer	Sq.M	160.00		
17	Finishing walls with premium acrylic smooth exterior paint with silicone additive of required shade				
	New work (two or more coat applied @1.43kg/10 Sq.M) over and including base coats of water proofing cement paint applied @ 2.2 Kg/10 Sq.M	Sq.M	160.00		
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	Two or more coats on new work	Sq.M	480.00		

19	Providing and fixing as per FIH standard NET posts and NET of approved quality (of black coloured synthetic net manufactured in a synthetic polymer such as polyethylene for Hockey practice of twine diameter ranging from 1.8mm - 2.0mm or more thick syhtetic thread of approved make heavy type with a hole upto 50 Sqmm knotted nets and of UV stabilized and rot proof complete) and design complete as per manufacturers specification etc including painting and installation with CC grouting of 1:2:4 all complete as per direction of Engineer Incharge	Each	2.00		
		TOTAL			