

KITCO LTD
NATIONAL GAMES SECRETARIAT
SPECIFICATION AND SCHEDULE OF QUANTITIES
A.FOUR LANE SYNTHHTIC TRACK

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Amount(Rs)
1.00	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	1350.00		
2.00	Earth work in excavation by means (Hydraulic excavator)/manual means over areas (exceeding 30cm in depth.1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed, as directed by the Engineer- in-Charge All kinds of soil.	cum	286.00		
3.00	Filling available excavated earth(excluding rock) in trenches, under floors,plinth,sides of foundation,in areas etc. in layers not exceeding 20cm in depth,consoldating each deposited layer by ramming and watering,lead upto 50m and lift upto 1.5m including cost and conveyance of all materials,labour charges, etc complete at all levels as directed by the Engineer-in-Charge	cum	111.00		
4.00	Extra for additional lead upto 100m over initial lead of 50m for disposing surplus excavated earth as per the direction of Engineer-in-Charge.	cum	175.00		
5.00	Providing and laying cement concrete of specific grade properly mixed and consolidated with hand rammers, including cost and conveyance of all materials, labour, curing, lead lift , etc. complete for all work up to plinth levels as directed by Engineer- in-Charge.				
5.01	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	35.00		

5.02	1:2:4 (1 Cement : 2coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	5.00
6.00	Providing and laying in position machine batched, machine mixed and machine vibrated design mix M-25 grade cement concrete for reinforced cement concrete using cement content as per approved design mix including pumping of concrete to site of laying but, excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportion (as per IS 9103) to accelerate,retard setting of concrete to improve workability without impairing strength and durability as per direction of Engineer-in-Charge .Cement content considered in this item is @ 330 kg/cum	cum	15.00
7.00	Providing ,hoisting and fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, slabs,brackets etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centering, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement : 3 fine sand) on exposed surfaces complete.but excluding the cost of reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	2.00
8.00	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding with 16 gauge GI binding wire etc complete including cost, conveyance, lead, lift of all materials for all types of RCC works up to plinth level as per drawing/specification and as directed by Engineer-in-Charge at all levels.		
	Thermo-Mechanically Treated bars	kg	750.00

9.00	Centering and shuttering including strutting, propping etc. and removal of form for :		
9.01	Walls of (any thickness)including attached pilasters butteresesses plinth and string course etc.	sqm	88.00
10.00	Providing and constructing 115mm thick brick masonry in CM 1:4 (1 cement, 4 coarse sand) in partition walls, parapets, etc. with bricks of standard sizes and of approved quality (average compressive strength not less than 50 Kg/cm2) including scaffolding, raking out of joints, curing, cost and conveyance of all materials, lead,lift, etc.complete including providing 2 Nos. of 6mm dia bars as reinforcement at every third layer wherever specified (Reinforcement shall be measured and paid for under relevent item) and as directed by Engineer-in-Charge	sqm	75.00
11.00	Suppling and laying 200 mm thick soling with soling stone of size 150 to 75 mm brokenstone and blinding materials, including hand packing and wedging them tightly so that the whole is formed as a solid mass, spreading blinding material in 12mm thick layers and sweeping the same to fill the voids,watering profusely and consolidating with hand rammer/ plate vibrator etc complete as per the direction of Engineer-in - Charge.	cum	125.00
12.00	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying two coats of approved make and colour synthetic enamel paint over two coats of approved make anticorrosive yellow zinc chromate primer, etc. including cost and conveyance of all materials, labour, lead,lift etc. complete as directed by Engineer- in-Charge at all levels.		
12.01	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works.	kg	329.00

13.00	15mm cement plaster of mix 1:4 (1 cement : 4 fine sand)including cost and conveyance of all materials, labour charges, scaffolding, sundries etc complete as directed by the Engineer in charge at all levels.	sqm	150.00
14.00	Providing, laying,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 not more than 150 mm thick, with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as directed by engineer in charge, as per clause 406.	cum	63.00
15.00	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.75kg/sqm using mechanical means complete as directed by engineer in charge, as per clause 502.	sqm	625.00
16.00	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as directed by engineer in charge, as per MORTH specification 503.	sqm	625.00
17.00	Design, Supply and installation of 4 lane synthetic track including furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, surfacing in accordance with the specifications and indications on drawings. Layout and paint all track lines and event markings as required and specified by current IAAF and NCAA rules. The work hereunder shall be done and conform to: 1. IAAF- Track and Field Manual 2. NCAA- Track and Field Rules 3. ASBA- Track Construction Manual and Guidelines Color: Terracotta Red		

Surface is to be a polyurethane bound impermeable sandwich running track surface (**cast in situ**) with an embedded broadcast EPDM rubber finish. Total thickness of finished product shall be an average of 13mm thickness.

The complete installation of a seamless permanently resilient polyurethane-bound synthetic sports surface with a water impermeable, seamless, UV-resistant granulated surface, and joint-free due to an in situ wet-in-wet installation.

The work has to be executed as per specification and or as directed by Engineer - in - Charge

sqm 625.00

GRAND TOTAL

**KITCO LTD
NATIONAL GAMES SECRETARIAT
SPECIFICATION AND SCHEDULE OF QUANTITIES
B.HIGH JUMP RUN UP WITH LANDING PIT**

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Amount(Rs)
1.00	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	2000.00		
2.00	Earth work in excavation by means (Hydraulic excavator)/manual means over areas (exceeding 30cm in depth.1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed, as directed by the Engineer- in-Charge All kinds of soil.	cum	218.00		
3.00	Filling available excavated earth(excluding rock) in trenches, under floors,plinth,sides of foundation,in areas etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering,lead upto 50m and lift upto 1.5m including cost and conveyance of all materials,labour charges, etc complete at all levels as directed by the Engineer-in-Charge	cum	195.00		
4.00	Extra for additional lead upto 100m over initial lead of 50m for disposing surplus excavated earth as per the direction of Engineer-in-Charge.	cum	23.00		
5.00	Providing and laying cement concrete of specific grade properly mixed and consolidated with hand rammers, including cost and conveyance of all materials, labour, curing, lead lift , etc. complete for all work up to plinth levels as directed by Engineer- in-Charge.				
5.01	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	10.00		

5.02	1:2:4 (1 Cement : 2coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	5.00
6.00	Providing and laying in position machine batched, machine mixed and machine vibrated design mix M-25 grade cement concrete for reinforced cement concrete using cement content as per approved design mix including pumping of concrete to site of laying but, excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportion (as per IS 9103) to accelerate,retard setting of concrete to improve workability without impairing strength and durability as per direction of Engineer-in-Charge .Cement content considered in this item is @ 330 kg/cum	cum	1.00
7.00	Providing ,hoisting and fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, slabs,brackets etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centering, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement : 3 fine sand) on exposed surfaces complete.but excluding the cost of reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	1.00
8.00	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding with 16 gauge GI binding wire etc complete including cost, conveyance, lead, lift of all materials for all types of RCC works up to plinth level as per drawing/specification and as directed by Engineer-in-Charge at all levels.		
	Thermo-Mechanically Treated bars	kg	50.00

9.00	Providing and constructing 115mm thick brick masonry in CM 1:4 (1 cement, 4 coarse sand) in partition walls, parapets, etc. with bricks of standard sizes and of approved quality (average compressive strength not less than 50 Kg/cm ²) including scaffolding, raking out of joints, curing, cost and conveyance of all materials, lead, lift, etc. complete including providing 2 Nos. of 6mm dia bars as reinforcement at every third layer wherever specified (Reinforcement shall be measured and paid for under relevant item) and as directed by Engineer-in-Charge	sqm	53.00
10.00	Supplying and laying 200 mm thick soling with soling stone of size 150 to 75 mm broken stone and blinding materials, including hand packing and wedging them tightly so that the whole is formed as a solid mass, spreading blinding material in 12mm thick layers and sweeping the same to fill the voids, watering profusely and consolidating with hand rammer/ plate vibrator etc complete as per the direction of Engineer-in-Charge.	cum	126.00
11.00	Providing, laying, 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 not more than 150 mm thick, with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as directed by engineer in charge, as per clause 406.	cum	63.00
12.00	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.75kg/sqm using mechanical means complete as directed by engineer in charge, as per clause 502.	sqm	628.00

13.00 Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as directed by engineer in charge, as per MORTH specification 503.

sqm 628.00

14.00 Design, Supply and installation of **high jump run up** including furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, surfacing in accordance with the specifications and indications on drawings. Layout and paint all track lines and event markings as required and specified by current IAAF and NCAA rules. The work hereunder shall be done and conform to:

1. IAAF- Track and Field Manual
2. NCAA- Track and Field Rules
3. ASBA- Track Construction Manual and Guidelines

Color: Terracotta Red

Surface is to be a polyurethane bound impermeable sandwich running track surface (**cast in situ**) with an embedded broadcast EPDM rubber finish. Total thickness of finished product shall be an average of 13mm thickness.

The complete installation of a seamless permanently resilient polyurethane-bound synthetic sports surface with a water impermeable, seamless, UV-resistant granulated surface, and joint-free due to an in situ wet-in-wet installation.

The work has to be executed as per specification and or as directed by Engineer - in - Charge

sqm 628.00

GRAND TOTAL