

Annex-B						
Supply of Material, and Construction of Community Park Development at Khairabad Slum, Manghopir Town, Karachi West						
Sr#	MRS.Ref	Description	Unit	Quantity	Unit Rate	Total Amount
		1. CIVIL WORKS				
		EARTH WORK				
1	NSI	EARTH WORK: Excavation in foundation of Building Bridges (In hard soil or soft murum) and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. , lead upto one chain (30 metre) and lift upto 5 ft. (1.5 metre). Note: Contractor will be responsible to carried out proper compaction after excavation, using suitable method and tools as per the instructions, directions and satisfaction of Engineer in Charge.	Cft	1,328.00		
2	NSI	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lift upto 5 ft and lead upto 10 miles including cost of earth. Note: Contractor will be responsible to carried out proper compaction after excavation, using suitable method and tools as per the instructions, directions and satisfaction of Engineer in Charge.	Cft	6,400.00		
		CONCRETE				
3	NSI	RCC 1:2:4: Providing, laying, compacting, and curing Reinforced Cement Concrete (RCC) in 1:2:4 mix (1 part Ordinary Portland Cement, 2 parts clean coarse sand, and 4 parts graded crushed stone aggregate of 20 mm nominal size), machine mixed and placed in position, compacted with mechanical vibrators, finished to the required line, level, and profile, including formwork/shuttering, curing for a minimum of 14 days, and all labour, materials, machinery, tools, transportation, and incidental works complete. The rate shall exclude the cost of reinforcement steel, which shall be measured and paid for separately, and the work shall be executed in accordance with the approved drawings, specifications, and the directions of the Engineer-in-Charge.	Cft	205.00		
4	NSI	PCC Situ (1:2:4): Providing and laying Plain Cement Concrete (PCC) in the proportion of 1:2:4 (1 part Ordinary Portland Cement, 2 parts clean coarse sand, and 4 parts graded crushed stone aggregate of 20 mm nominal size), machine mixed, placed, compacted with mechanical vibrators, finished to the required line and level, and cured for a minimum of 7 days. The rate shall include all materials, labour, machinery, formwork where required, transportation, testing, and incidental works complete in accordance with the approved drawings and the directions of the Engineer-in-Charge.	Cft	632.00		
		REINFORCEMENT				
5	NSI	REINFORCEMENT: Providing, cutting, bending, placing, and fixing high-yield deformed steel reinforcement bars (Grade 60 / ASTM A615 or equivalent, minimum yield strength 420 MPa) of approved diameter in reinforced cement concrete (RCC) works, including binding with 16 SWG annealed steel wire, proper spacing, chairs, cover blocks, laps, hooks, and all labour, materials, tools, transportation, wastage, and incidental works complete in accordance with the approved structural drawings, specifications, and the directions of the Engineer-in-Charge.	Ton	1.38		
		BLOCK MASONRY				
6	NSI	BLOCK MASONRY: Providing and laying solid cement concrete block masonry using machine-made solid concrete blocks of approved size and minimum compressive strength of 1,500 psi (10 MPa), laid in 1:2 cement-sand mortar, with joints not exceeding 10 mm thickness, including proper alignment, bonding, raking of joints for plaster where required, curing, scaffolding, and all labour, materials, tools, transportation, proper curing and incidental works complete in accordance with the approved drawings, specifications, provided with interval columns @10 Rft center to center and the directions of the Engineer-in-Charge.	Cft	1,176.00		
		PLASTER				
7	NSI	PLASTER: Providing and applying 25 mm (1") thick double-coat cement-sand plaster in 1:2 mix using Sulphate Resistant Cement (SRC) on cement concrete block masonry walls, comprising a 12 mm base coat and a 13 mm finishing coat, finished smooth with a wooden/steel float. The work shall include surface preparation, hacking where required, curing for a minimum of 7 days, all labour, materials, scaffolding, tools, transportation, and incidental works complete in accordance with the approved specifications and the directions of the Engineer-in-Charge.	Sft	2,880.00		

Annex-B						
Supply of Material, and Construction of Community Park Development at Khairabad Slum, Manghopir Town, Karachi West						
Sr#	MRS.Ref	Description	Unit	Quantity	Unit Rate	Total Amount
8	NSI	PCC 1:2:4 Coping of 3" thick on BW panel and columns	Cft	180.00		
9	NSI	MAIN GATE (12'-0" x 7'-0" - 01 No.) & (4'-0" x 7'-0" - 02 No.s): Providing, fabricating, supplying, transporting, and installing heavy-duty Mild Steel (M.S.) gate of approved design, size, and pattern, fabricated from high-quality M.S. square/rectangular hollow sections, angles, flats, and plates of specified thickness, complete with welded joints, diagonal bracing, heavy-duty hinges, locking arrangement, tower bolts, handles, stoppers, and all necessary hardware. The gate shall be thoroughly cleaned, treated with one coat of anti-rust zinc chromate primer and two coats of approved synthetic enamel paint (or powder coating where specified), fixed in position with M.S. holdfasts/anchor bolts embedded in concrete, including all labour, materials, welding, cutting, grinding, transportation, erection, testing, and incidental works complete in accordance with the approved drawings, specifications, and the directions of the Engineer-in-Charge.	No.	3.00		
10	NSI	SUB STRUCTURE: Cutting to a required gradient in all kinds of soil and disposing the same, levelling, dressing, watering and consolidation for pavers lead upto 100ft. (30m).	Cft	960.00		
11	NSI	PAVER Blocks: Supply and laying of 60 mm thick natural grey and coloured concrete paver (tuff) tiles on a 150 mm (6-inch) thick sand/stone dust cushion, laid to the required line, level, grade, and approved pattern. The paver tiles shall be factory-manufactured, mechanically compressed, and shall have a minimum compressive strength of 6,000-7,000 psi, confirmed through laboratory testing at the factory and subject to random testing at site as directed by the Engineer-in-Charge. The rate shall include the provision of 1:2:4 cement concrete wherever required for proper installation, edge restraint, bedding, and finishing, including all materials, labour, equipment, cutting, fitting, compaction, joint filling, curing, and all ancillary works necessary to complete the work in all respects as per instructions and directions of by the Engineer-in-Charge.	Sft	1,600.00		
12	NSI	Kerb Stones (8"x6"x18"): Providing, supplying, transporting, and fixing precast plain cement concrete kerb stones of approved shape, dimensions, and profile, manufactured with minimum 4,000 psi (28 MPa) concrete using Ordinary Portland Cement, having a smooth machine-finished surface with chamfered edges. The kerb stones shall be laid true to line, level, and grade over a 100 mm thick PCC (1:2:4) bedding, with joints filled with 1:3 cement-sand mortar, properly aligned, haunched with PCC where specified, cured, and completed with all labour, materials, transportation, lifting, tools, machinery, and incidental works in accordance with the approved drawings, specifications, and the directions of the Engineer-in-Charge.	Rft	640.00		
13	NSI	Healthy Saplings: Plants & Trees as per required sizes etc., complete in all respect. Providing, supplying, transporting, and planting healthy, disease-free, fast-growing evergreen mature plants suitable for the coastal climatic conditions of Karachi, of approved species such as Neem, Gulmohar, Aloe vera, Moringa, Kachnar, Ashoka, Ficus etc. or any other specified plants as directed by the Engineer In-Charge, having a minimum height of 4-6 ft (1.2-1.8 m), complete with excavation of planting pits, good quality garden soil, farmyard manure, initial watering, staking, and maintenance during the establishment period, as directed by the Engineer-in-Charge, complete in all respects.	No.	120.00		
14	NSI	Grass turf (grass-trufing): Providing, supplying, and laying healthy grass turf (grass-trufing) on prepared banks, slopes, medians, or lawns over 150 mm (6") thick fertile sweet topsoil, including trimming, levelling, dressing, watering, rolling, pegging on slopes where required, and replacing damaged patches until proper establishment. The work shall include all materials, labour, transportation, tools, maintenance, and incidental works complete to produce a dense, uniform, and well-established grass cover suitable for erosion control and landscaping, in accordance with the approved specifications and the directions of the Engineer-in-Charge. (Turf got from within a distance of 5 miles maintenance for 45 days.	Sft	3,600.00		

Annex-B						
Supply of Material, and Construction of Community Park Development at Khairabad Slum, Manghopir Town, Karachi West						
Sr#	MRS.Ref	Description	Unit	Quantity	Unit Rate	Total Amount
15	NSI	Park Sitting Shed (6-person capacity): Supply fixing , installation, complete in all respect, turnkey fabrication and installation of a 6-person capacity Park Sitting Shed, constructed over a 64 sq. Ft (08ft X 08ft) footprint. The civil work comprises a leveled ground excavation, a 2-inch compacted stone soling sub-base, and a 4-inch thick Plain Cement Concrete (PCC) pad with a 1:2:4 design mix, anchored via heavy-duty steel rawl bolts and wet-cured for at least 7 days. The main structural framework consists of four 3-inch diameter heavy-duty MS pipe pillars (minimum 14-Gauge), supporting a roof canopy truss built with 2 inch X 02 inch MS box sections and 1.5inch X 1.5 inch rafter for internal roof support, all continuously arc-welded and ground smooth. The structure is sheltered by a UV-stabilized, heat-resistant, 2.5 mm to 3.0 mm thick 3-Ply Fiberglass corrugated roof sheet 8 ft x 8 ft structural coverage with an additional 6-inch overhanging drip-edge), secured leak-proof using self-tapping screws with EPDM rubber washers and silicone sealant. Integrated into this frame are two dual-facing, 4.5-foot-long benches designed to seat 06 adults, featuring rot-resistant and heat-deflecting high-density Wood-Plastic Composite (WPC) or powder-coated MS channel slats structurally welded directly to the main pillars. All metalwork undergoes rigorous wire-brushing and degreasing, followed by 01 coat of anti-rust red-oxide primer and 02 coats of premium weather-sheet glossy enamel paint, finished in standardized RAL codes: Traffic Black (RAL 9017) or Dark Grey (RAL 7016) for the frame, Forest Green (RAL 6002) or Signal Blue (RAL 5005) for the roof, and Teak/Nut Brown (RAL 8011/8017) for the seating slats, executed as a single-job turnkey project including all materials, labor, transport, and equipment.	No.	2.00		
16	NSI	Seesaw: Supply, Installation and fixing of best quality seesaw shall be fabricated using a mild steel or hot-dip galvanized iron (GI) pipe frame, with the main fulcrum support made from heavy-duty 48–60 mm outer diameter (OD) GI pipe and the lever arms from 33–42 mm OD GI pipe, all finished with a powder-coated or galvanized coating for weather resistance; the two seats shall be rotomolded from high-quality, UV-stabilized high-density polyethylene (HDPE) with a minimum thickness of 6 mm, featuring an ergonomic contour, integral back support, and non-slip textured surface; the pivot mechanism shall include a grease-packed or sealed bearing assembly or nylon/rubber bushings around a stainless steel or galvanized steel central pin (minimum 16 mm diameter) to ensure smooth oscillation, equipped with rubber bumpers or spring-centering devices to prevent abrupt ground impact; each seat shall be fitted with rubber-coated or GI pipe handgrips (25 mm diameter) , and all exposed pipe ends shall be capped with plastic or rubber end caps to prevent finger entrapment; all fasteners shall be stainless steel grade 304 with self-locking nuts, and the entire unit shall comply with ASTM F1487 or EN 1176 playground safety standards, with a use zone extending 2 meters (6.5 feet) beyond the maximum arc of motion and impact-attenuating surfacing installed beneath the equipment. The rate should include the galvanized/powder-coated steel frame, HDPE seats, bearing assembly, foundations, anchorage, protective surfacing, installation, and all associated civil and mechanical works as per approved specifications and Engineer's instructions. Complete in all respects.	No.	2.00		

Annex-B						
Supply of Material, and Construction of Community Park Development at Khairabad Slum, Manghopir Town, Karachi West						
Sr#	MRS.Ref	Description	Unit	Quantity	Unit Rate	Total Amount
17	NSI	Playground Slide: Supply, Installation and fixing of 6-foot (1.83 m) single straight playground slide, in full compliance with ASTM F1487-21 and CPSC Handbook #325: The equipment shall feature an elevated platform at 6 ft (1.83 m) height with a minimum clear depth of 14 inches (356 mm), equipped with 38-inch (965 mm) high guardrails on all open sides and protective barriers to prevent falls, plus 30-inch (762 mm) high handrails on both sides of the access staircase which shall have risers between 5–9 inches (127–229 mm) and treads of at least 7 inches (178 mm) depth with slip-resistant surfaces; the straight slide chute shall have a minimum internal width of 16 inches (406 mm) with raised side walls of at least 5 inches (127 mm) to center children during descent, constructed from UV-stabilized HDPE or stainless steel with a smooth, matte finish to prevent thermal burns, and shall include a flush entrance transition from the platform with guide rails set 20–28 inches (508–711 mm) above the platform surface; the exit region shall be horizontal (0–4 degree slope) for the final 12 inches (305 mm) with a smooth bottom curve of minimum 18-inch (457 mm) radius, and the lowest point of the chute shall be set 7–15 inches (178–381 mm) above the protective surfacing; the entire structure shall be free of head entrapment openings (between 3.5–9 inches or 89–229 mm) and hazardous protrusions, anchored to a concrete footing (1.5'x1.5'x1.5'), and surrounded by impact-attenuating surfacing (e.g., engineered wood fiber or rubber tiles) tested to ASTM F1292 for a 6 ft critical fall height, extending at least 6 ft (1.83 m) from the equipment and 8 ft (2.44 m) in front of the slide exit, with a permanent sign indicating intended use for children ages 2–12 and requiring adult supervision. The rate should include the slide assembly, staircase, platform, safety barriers, foundations, anchorage, protective surfacing, signage, installation, and all associated civil and mechanical works as per approved specifications and Engineer's instructions and complete in all respects.	No.	2.00		
18	NSI	Waste Bins: Supply and install 100L heavy-duty waste bins fabricated from 16-18 gauge MS sheet with reinforced rims and a 360-degree tilting mechanism for easy emptying. The drums shall be mounted on 4-feet vertical posts (1.5" angle iron or 2" pipe) with 12 inches embedded in 12"x12"x18" PCC (1:2:4) foundation blocks and minimum 6" thick PCC 1:2:4 bed around the bins (Dimensions 7ft x 3ft x 0.5ft). All metal must be cleaned, primed with red oxide, and finished with two coats of WeatherShield enamel in distinct colors for segregation, featuring smooth-ground welds and 10mm bottom drainage holes to prevent rust. Final execution includes bilingual (English/Urdu) waste-type stenciling and high-visibility IRP, UN-Habitat, and Netherlands logos using permanent oil-based paints. (As per site requirements and directions of Engineer in Charge)	No.	6.00		
19	NSI	WeatherShield Paint: Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat (Min 3 Coats). (As per site requirements and directions of Engineer in Charge)	Sft	640.00		
20	NSI	Paint on Kerb Stones: Providing and applying two or three coats of approved weather-resistant synthetic enamel or reflective road marking paint on precast concrete kerb stones, over one coat of suitable exterior primer, in alternate black-and-white/black-and-yellow or other approved colour scheme. The surface shall be thoroughly cleaned and prepared before painting to ensure proper adhesion, complete with all labour, materials, tools, transportation, surface preparation, and incidental works, resulting in a smooth, durable, and uniform finish in accordance with the approved specifications and the directions of the Engineer-in-Charge.	Sft	640.00		
		1. Sub Total				
		2. PLUMBING & ELECTRICAL WORKS				
21	NSI	Providing and fixing of 35 Gallon capacity Electric drinking Water Cooler ,35Ltr/hr cooling capacity, 02 Taps , body size 4'x2'X1.5', nonmagnetic stainless steel body, 100% Pure cooper coiling around water tank, including Compressors, Condensers, 03 stages food grade water filter system with cartridges set ,Fan ,Motors and all other accessories and fittings complete in all aspects.	No.	1.00		

Annex-B						
Supply of Material, and Construction of Community Park Development at Khairabad Slum, Manghopir Town, Karachi West						
Sr#	MRS.Ref	Description	Unit	Quantity	Unit Rate	Total Amount
22	NSI	Providing and fixing glazed earthenware medium size hand wash basin white color including pedestal , plastic body waste coupling/strainer, plastic body flexible inlet tubes, drainpipe, angle valve or tee, stop cock, brass spindle ABS plastic Body basin tap Or a basin mixer tap (Plastic Body) for hot and cold water lines (if exist). (12mm), bracket set built-in walls and making the requisite number of holes in walls, plinth and floor, good quality plastic soap dish/soap holder and filling of joints with waterproof sealant agent. Complete in all aspects.	No.	2.00		
23	NSI	Supply and installation of PPRC 3/4" dia in walls, trenches with all connections, including all type of accessories (Socket, elbows, bends, Tee, brackets, clumps, etc.) Including digging, burying/ backfilling for PPRC Pipe up to 1.5' feet depth in all kind of surfaces if required complete in all aspects.	Rft	200.00		
24	NSI	Providing and fixing 400 GLS vertical capacity double ply plastic water storage tank, including bush, Lid , brass body flute valve provision of inlet and outlet connections, overflow pipes and gate valves etc. complete in all aspects.	No.	1.00		
25	NSI	Supply and installation of UPVC PIPE of 6" dia in trenches with all connections, fixture including all type of accessories (Socket, elbows, bends, Tee, brackets, clumps, etc.) ensuring the proper disposal of wastewater to the manhole or designated site. Including digging, burying/ backfilling for UPVC Pipe up to 2 feet depth in all kind of surfaces and complete in all aspects.	Rft	80.00		
26	NSI	Benches with backslash Terracotta tiles finish. Provide and construct C.C Benches Terracotta tiles finish as per drawing, consisting of following items, etc, complete.	Sft	64.00		
27	NSI	Solid block masonry for bench and backrest malba filling as approved, 3" thick C.C 1:3:6 sub floor / screed and approved plaster Terracotta finish.	Sft	32.00		
28	NSI	Pebbles Stone. Provide and lay washed pebbles stone of approved size including washing, cleaning, etc, complete with different colours.	Sft	800.00		
29	NSI	Flooring. Sub - Floor. Provide & laying Sub-Floor Cement Concrete 1:3:6 (1 cement, 3 screened sand, 6 crush) sub-floor 150mm thick in two layers in existing two rooms including consolidating, curing, etc. complete in all respect.	Cft	300.00		
30	NSI	Porcelain / Ceramic Tile Flooring. Provide and lay Porcelain / Ceramic tile of approved sample for flooring, in slope if required, with 1:4 cement sand mortar base of required thickness so as to achieve a minimum overall finished floor thickness of 50mm, setting the tiles with neat cement mortar, grouting the butt joints 5mm wide (using PVC spacers) with approved grout & approved colour of equivalent as per manufacturer's specifications & instructions, including curing, cleaning, hacking /chipping of existing two rooms surface for bonding where necessary, etc., complete in all respect.	Sft	600.00		
31	NSI	Door & Windows. Door and Windows of Aluminum frame powder coated finish. Provide and install in position openable & fixed Windows & Doors consisting of aluminum main frame & shutter frame Pakistan Cable or approved equivalent approved powder coated finish, approved thickness tempered clear glass where required with approved shade, approved quality hardware as per hardware schedule, latch, S.S hinges, including all hardware, wastage, etc, complete as per drawing and instruction of the Architect. (For payment, net exposed elevation frame to frame will be measured.)	Sft	81.00		
32	NSI	Providing and fixing energy saver/ bulb holder and complete in all aspects.	No.	4.00		
33	NSI	Providing and fixing energy saver/ bulb 25-Watt and complete in all aspects.	No.	4.00		
34	NSI	Open Pipe wiring /wall surface-mounted wiring using 1/2" to 3/4" diameter PVC conduit and electric wire 3/29 including all necessary accessories such as bends, elbows, junction boxes, etc.	Rft	25.00		
35	NSI	Providing and fixing 3-gang, one way (10AX 25V) Wall switch board complete set, including appropriate size plastic box to be fixed in wall. ensuring all safety aspects are fully completed.	No.	2.00		
36	NSI	Providing and fixing of Universal Type electric Power plug board, complete in all aspects.	No.	2.00		
37	NSI	Providing and installation single core 7/0.29" (2.5mm) , cooper electric cable complete in all aspects	Rft	65.00		
38	NSI	Providing and fixing of 1HP Piston water Pump /donkey pump with Cooper wire Motor 1 HP, RPM 1500, Max Suction (M) 8, Max Head (M) 15~40, Discharge (l-min) 34~29 . Preferably Pakistan Made /Golden Pumps, Diamond Pumps. Complete in all aspects.	No.	1.00		

Annex-B							
Supply of Material, and Construction of Community Park Development at Khairabad Slum, Manghopir Town, Karachi West							
Sr#	MRS.Ref	Description	Unit	Quantity	Unit Rate	Total Amount	
39	NSI	Supplying and installing a Palisade fencing /Jangla for the protection of the water pump. The size of the Palisade/Jangla is 3'x3'x2.5' feet, using 1/2" square steel bars with a spacing of 5"x5" as fencing . This includes fixing the 20 SWG MS sheet on the roof, providing locking arrangements, applying 2 or more coats of oil paint, and fixing it securely in the foundation base. The entire job is to be completed with all necessary components. (for water Pump Protection safety).	No.	1.00			
40	NSI	Rubber pipe high pressure 20 Bar 3/4" synthetic rubber in Pakistan	Rft	500.00			
41	NSI	Sign board & Visibility: Providing, fixing & transportation of, MS steel Sign Board Plaque 1/5" dia pipe, 18 Swg frame, 7.5 high, 18 Swg sheet in 1" Dia 18 swg pipe with 1'x1' x 6mm angle iron cross as footing fixed in P.C.C (1:2:4) board sheet size 3 ft x 4 ft As per attached Drawing & design, writing, non-removable paintng as per given design with logos & Specs it should be embossed). High Quality, compelte as per engr instruction.	No.	1.00			
		2. Sub Total					
Grand Total (1 +2) (Inclusive of all Govt. Applicable taxes, Transportation, Deliveries, Packing and Loading/ Unloading and installation, If any)							