Annexure-E

Supply of Material, Rehabilitation and Construction of Street Pavements and Drainage Lines in Sarband 1 District Peshawar, KP

Sr.#	Activities	Quantity	Unit	Unit Rate	Total Rate
	A. Street Pavement Rehabilitation				
1	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches (taking average width & depth of levelling) (as per site requirement and directions of Engineer in Charge)	9,480.00	Cft		
2	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (The stone ballast, crushed bajri, round shingle from nallah,or brick ballast may be used according to their comparative cheaper rates in various areas of the province) (Avg Quantities) (as per site requirement and directions of Engineer in Charge)	9,480.00	Cft		
3	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) (Avg Quantities) (as per site requirement and directions of Engineer in Charge)	3,337.95	Cft		
4	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) (Avg Quantities) (as per site requirement and directions of Engineer in Charge)	3,417.15	Cft		
5	Erection and removal of Form work with Wood Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Horizontal (Avg Quantities) (as per site requirement and directions of Engineer in Charge)	2,045.00	Sft		
6	1st class brick work in foundation and plinth in Cement, sand mortar 1:2 (as per site requirement and directions of Engineer in Charge). For Road Crossing RCC Slab Culverts	675.00	Cft		
7	Cement plaster 1:2, upto 20' height 1/2" thick (as per site requirement and directions of Engineer in Charge)	3,000.00	Sft		
8	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) (as per site requirement and directions of Engineer in Charge)	58.86	Cft		
9	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 40), using 1/2" dia bars (as per site requirement and directions of Engineer in Charge)	651.45	Kg		
10	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 12" i/d, wall thickness 2". (As per site requirements and directions of Engineer in Charge)	120.00	Rft		

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Sr.#	Activities	Quantity	Unit	Unit Rate	Total Rate
11	Wall Chalking (three coats of approved color)/Specific Cleanliness and Waste Managemetn Related Messages minimum size (8'x6') or continuous at different locations of streets, walls or any visible spaces, highlighting the importance of cleanliness and safe waste disposal i/c IRP, UNHABITAT & Netherlands Logos/Designs, using different type of permanent colors/white wash/weathershield paint with help of Stencils or manual writing, complete in all respect and with the direction of engineer in-charge. The activity also includes the cost of scraping, cleaning, and base white-wash/primer. (As per site requirements and directions of Engineer in Charge)	780.00	Job		
12	Plantation, supplying and distribution of different types of locally grown and evergreen habitated plants in the different streets (with colored flower pot or planter) and household level plants as green environement campaign and As per site requirements and directions of Engineer in Charge). Upto 4ft Hieght Sized Plants: Arabian Jasmine, Araucaria or Norfolk Island Pine, Ficus Benjamina, Chinese Banyan/ Ficus Microcarpa Nitida (Retusa)/Panda Ficus, etc. Upto 2ft Hieght Sized Plants: Roses, Creeping/Climbing plants, Madagascar Periwinkle (Catharanthus roseus), Golden pothos (Also known as: Taro vine, Ivy arum, Hunter's robe), Crown of thorns (Also known as: Christ thorn), African marigold (Also known as: Flower of the dead, Mexican marigold) etc.	260.00	Each		
13	Excavation and Clearance of shingle, gravel including sand, soft soil and silt deposits in channel bed upto 25m. (as per site requirement and directions of Engineer in Charge)	12,000.00	Cft		
14	(i) Transportation of earth all types beyond 250 m and upto 500 m. (ii) Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. (iii) Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. (as per site requirement and directions of Engineer in Charge)	12,000.00	Cft		
15	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia with collar including solvent cement/solution fittings, jointing, cutting, and breaking concrete/masonry and then making it good as per site requirements and direction of Engineer in Charge. Note: This pipe will be used for waste water disposal from house to nearby drain.	1,300.00	Rft		

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Sr.#	**Activities**	**Quantity**	**Unit**	**Unit Rate**	**Total Rate**
16	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 15" i/d, wall thickness 2.2". (as per site requirement and directions of Engineer in Charge)	500.00	Rft		
17	Excavation in open cut for sewers & manhole except shingle, gravel & rock : Upto 2m (as per site requirement and directions of Engineer in Charge)	5,780.00	Cft		
18	Provide and install 1/2" thick high-density thermophore sheets as expansion joints in PCC pavements, ensuring sheets are cut to size and secured vertically before concrete pouring. The installation must create a complete break between sections to allow for thermal movement, with the top edge recessed to accommodate future joint sealant. Typically 10 to 15 feet intervals or as per the Engineer's directions and site requirements	333.80	Sft		
19	Dismantling : Plain Cement Concrete 1:2:4	4,500.00	Cft		
20	Earth excavation in open cut upto 3 m depth for drains, pipes etc & disposal : in Hard Soil	1,600.00	Cft		
21	Providing and executing complete dewatering operations for drains and trenches using 3–4 inch engine-driven sludge pumps, including equipment, fuel, labor, discharge piping, temporary sandbag diversion bunds, gravel-lined sump pits, safe collection and off-site disposal of extracted trash and silt, complete site demobilization, and final surface cleaning to maintain a dry subgrade strictly as directed by the Engineer In-Charge.	1.00	Job		
22	Earth fill in lawns including dressing & compaction with suitable earth borrowed. (sweet soil)	3,217.50	Cft		
23	Supplying manure	536.25	Cft		
24	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 9" dia: (As per site requirements and directions of Engineer in Charge)	345.00	Rft		
25	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (75 mm dia) PN-12.5	600.00	Rft		
26	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (63 mm dia) PN-12.5	400.00	Rft		

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Sr.#	Activities	Quantity	Unit	Unit Rate	Total Rate
27	Providing, supplying, laying, jointing, testing and commissioning of minimum 50 Nos. future household water service connections from the main HDPE water supply pipeline, each comprising 25 mm dia. HDPE PN.12.5 service pipe of 5 Rft length, including HDPE service saddle/clamp, couplers, elbows/bends, connectors, end plugs/caps, fittings, jointing materials and all other necessary accessories, including connection to the main pipeline 75mm, proper fixing and alignment, testing for leakage and pressure, and making the connection ready for future household extension, complete in all respects as per directions and instructions of eingineer incharge	50.00	Job		
28	Fencing/Protection for Brick Planters (Wall thickness 4.5”): Providing, supplying, fabricating, installing and fixing protective fencing around street brick planters using MS square hollow-section pipes of ½″ × ½″ 15 gauge (approximately 12.5 × 12.5 mm clear openings) with ≥ 1.4 mm wall thickness and 2.5 ft (750 mm) average height above the planter wall. Vertical posts shall be securely embedded in PCC 1:2:4 (6” thick) with proper alignment and anchorage. All members shall be accurately fitted and welded at intersections, with welds ground smooth and all exposed edges/corners rounded to eliminate sharp projections. Cut/welded areas shall receive zinc-rich/cold-galvanizing repair coating followed by two coats of approved weather-resistant exterior metal paint. Rate shall include all materials, fabrication, welding, PCC, fixing, painting, labor, transportation, tools, and incidentals, complete in all respects as directed by the Engineer/Project Representative.	1,100.00	Rft		
29	Main Signboards (4' x 3'): Supply and installation of double-sided signboards fabricated from 18-gauge MS steel sheet with an internal plate size of 4'x 3'. The sheet shall be encased in a 1.5” diameter, 16-gauge MS pipe frame with external dimensions of 4.5' x 3.5'. The structure shall stand on 4-foot high legs, reinforced at the base with 1-foot double cross-angle iron strips for stability. Installation includes embedding the legs in PCC (1:2:4) foundations as directed. Finishing must include thorough cleaning, anti-corrosive red oxide priming, and high-quality WeatherShield paint with the provided text and logos (including IRP, UNHABITAT & Netherlands) professionally rendered on both sides. The activity will be carried out with the directions and instructions of Engineer in-charge.	1.00	Job		
Grand Total (Inclusive of All Govt. Applicable Taxes, labour, material supply, loading/unloading, Transportation and Installation, if any)					