

SUMMARY

Sl. No.	PART	Name of Work	Estimated Cost (Rs)
1	PART-I	Bill of Quantity (BoQ) for the work of Construction of SCIENCE PARK PATHWAYS, EXHIBIT FOUNDATIONS and PARKING SPACE at Science centre (Category-II) at Jorbeer Residential Scheme, Block-C, Bikaner Rajasthan, PIN-334001	43,92,720.00
2	PART-II	Bill of Quantity (BoQ) for the work of Construction of DRIVEWAY at Science Centre (Category-II) at Jorbeer Residential Scheme, Block-C, Bikaner, Rajasthan, PIN -334001	37,48,891.00
	PART-I + PART-II	Construction of SCIENCE PARK PATHWAYS, EXHIBIT FOUNDATIONS, PARKING SPACE and DRIVEWAY at Science centre (Category-II) at Jorbeer Residential Scheme, Block-C, Bikaner Rajasthan, PIN- 334001	81,41,611.00

PART-I					
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Item No.	Description of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 25 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m				
	All kinds of soil	13,400.00	sqm	34.15	4,57,610.00
2	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge.				
	All kinds of soil	180.00	Cum	177.50	31,950.00
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	20.00	Cum	196.00	3,920.00
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	1.00	Cum	2,123.75	2,123.75
5	Supplying & Laying Polythene Sheet (150gm/sq.m) over damp proof course or below flooring or roof tracing or in foundation or in foundation trench.	2100	Sqm	30.00	63,000.00
6	Steel reinforcement for nominal reinforcement work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars of grade Fe-500D or more. Make::: TATA,SAIL,RINL,JINDAL,ELECTROSTEEL	1,650.00	kg	107.85	1,77,952.50
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All works up to plinth level :				
7.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) ,laying at site, spreading and compacting mechanically by using needle and surface vibrators including consolidation, levelling to required slope finishing with required textures and curing for minimum 10 days by ponding method as per direction of Engineer -in Charge. Make of Cement ::: ACC, Ultratech, Lafarge	98.00	Cu.m	7,878.50	7,72,093.00
7.2	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources) Make of Cement ::: ACC, Ultratech, Lafarge	81.00	Cu.m	7,178.75	5,81,478.75
8	Centering and shuttering including strutting, propping etc. and removal of form work for, Foundations, footings, bases of columns, etc. for mass concrete	171	sqm.	392.15	67,057.65
9	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge				
9.1	60 mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	839.00	sqm.	1,045.65	8,77,300.35
9.2	80 mm thick C.C. paver block of M-30 grade with approved color, design and pattern.	600.00	sqm.	1,091.50	6,54,900.00

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Item No.	Description of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
10	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete	80.00	sqm.	1,096.55	87,724.00
11	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	48	Cum	#####	4,85,644.80
12	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	65	sqm.	505.00	32,825.00
13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	3	Cum	7,132.25	21,396.75
14	CEMENT PLASTER (IN COARSE SAND)				
14.1	15 mm cement plaster.				
	1:4 (1 cement: 4 coarse sand)	10.00	Sqm	411.75	4,117.50
14.2	Neat cement punning about 1.5mm thick. NOTE: Cement 0.152 cu.m per100 sq.m	10.00	Sqm	79.95	799.50
15	Finishing with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) Make::: Asian Paints,ICI Dulux. Berger	500.00	Sqm	171.10	85,550.00
16	Providing and fixing of unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. Make::: Supreme ,Astral, Ori-Plast				
	75 mm diameter	20.00	Metre	248.80	4,976.00
17	Supplying, fixing and testing of Lead free and UV stabilized unplasticized PVC (uPVC) Schedule-80 pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. conforming to ASTM D-1785, D2466 including jointing materials, cutting pipes, making threads, fitting, fixing etc. complete in all respect. All the fittings shall be in Sch-80 as per ASTM D-2467. The fittings should be of pasted type (solvent cement). The quoted rate shall be inclusive of cost of suitable supports, clamps etc. and specials such as tees, elbows, couplers, bends, enlargers etc., with UPVC brass threaded combination/ transition specials such as brass threaded male & female adapters, brass FPT Tee, Brass FPT elbow etc., where connection with metal is to be made including necessary drilling holes, chasing walls and making the same good in cement mortar 1:1 restore the same in original condition neatly as directed by the Engineer in-charge . Joints to be made with UPVC solvent cement up to 50mm dia as per IS 4985/2000 and above 50mm dia primer P-70, and solvent confirming to IS 4985/2000. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) Make::: Supreme ,Astral, Ori-Plast,				

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Item No.	Description of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
17.1	40 mm dia pipe	100.00	Metre	324.50	32,450.00
17.2	32 mm dia pipe	75.00	Metre	289.73	21,729.75
17.3	25 mm dia pipe	100.00	Metre	208.61	20,861.00
17.4	20 mm dia pipe	150.00	Metre	145.39	21,808.50
18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
18.1	20 mm nominal bore	2.00	Each	462.50	925.00
18.2	25 mm nominal bore	2.00	Each	464.05	928.10
19	PTMT FITTINGS Make::: Supreme ,Astral, Ori-Plast				
19.1	Providing and fixing PTMT bib cock of approved quality and colour				
	15 mm nominal bore, 122 mm long, weighing not less than 99 gms.	12.00	Each	161.20	1,934.40
19.2	Providing and fixing PTMT stop cock of approved quality and colour.				
	20 mm nominal bore, 89 mm long, weighing not less than 88 gms.	12.00	Each	129.90	1,558.80
		Sub Total of Part-I =			45,14,615.10
	Estimated Cost after using Correction factor on DSR 2023 on account of GST @ 0.973 for PART-I	45,14,615.10 X 0.973			43,92,720.49
				Say,	43,92,720.00

PART-II**Bill of Quantity (BoQ) for the work of Construction of DRIVEWAY at Science Centre (Category-II) at Jorbeer Residential Scheme, Block-C, Bikaner, Rajasthan, PIN -334001**

Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (Rs)	Amount (Rs)
1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres.	Sqm	2200.00	218.90	481580.00
	Granular Sub-base with Well Graded Material (Table 400-1)				
2	Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor Mount Grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per MoRTH Specification Clause 401.				
	For Grading III Material	Cum	330.00	517.00	170610.00
3	Supplying & Laying Polythene Sheet (150gm/sq.m) over damp proof course or below flooring or roof tracing or in foundation or in foundation trench.	Sqm	2200.00	30.00	66000.00
4	Centering and shuttering including strutting, propping etc. and removal of form work for foundations, footings, bases for columns, etc for mass concrete.	Sqm	320.00	392.15	125488.00
5	Steel reinforcement for nominal reinforcement work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars of grade Fe-500D or more. Make::: TATA,SAIL,RINL,JINDAL,ELECTROSTEEL	kg	5500.00	107.85	593175.00
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources . For driveways, laying at site, spreading and compacting mechanically by using needle and surface vibrators including consolidation, levelling to required slope/ camber finishing with required textures and curing for minimum 10 days by ponding method as per direction of Engineer -in Charge. Make of Cement ::: ACC,Ultratech,Lafarge	Cum	240.00	8340.85	2001804.00

PART-II					
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Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (Rs)	Amount (Rs)
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) Make of Cement ::: ACC,Ultratech,Lafarge	Cum	10.00	7294.70	72947.00
8	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	22.00	10,117.60	222587.20
9	Providing and fixing pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.) Make::: Supreme DURABoardHD,ShaliTex,	per cm depth per cm width per metre length	7800.00	5.30	41340.00
10	Providing and fixing of unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. Make::: Supreme ,Astral, Ori-Plast,				
	75 mm diameter	Metre	146.00	248.80	36324.80
11	Finishing with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) Make::: Asian Paints,ICI Dulux. Berger	Sqm	240.00	171.10	41064.00
	Sub Head Total of PART-II				38,52,920.00
	Estimated Cost after using Correction factor on DSR 2023 on account of GST @ 0.973 for PART-II		38,52,920.00 X 0.973		37,48,891.00