

HINDUSTAN PREFAB LIMITED						
THYCAUD, TRIVANDRUM						
NAME OF WORK : LANDSCAPING WORK AND FRONT SIDE COMPOUND WALL(BALANCE)AT KERALA JUDICIAL ACADEMY CAMPUS, ATHANI, ALUVA, ERANAKULAM DISTRICT						
NIT NO: HPL/DGM (C)/TC/KT/2016-17/119 Dated : 22.02.2017						
ESTIMATE AS PER DSR 2016 WITH COST INDEX						
Sl.No.	DSR No.	Description	Unit	Qty	Rate	Amount
		CIVIL WORKS				
1	2.6	Earth work excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30cm in depth,1.5m in width as well as 10sqm on plan) including getting out and disposal of excavated earth lead upto 50m and lift upto 1.5m, as directed by Engineer-in-charge				
	2.6.1	All kinds of soil	cum	41.00	125.95	5163.95
2	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared	Sqm	1000.00	7.20	7200.00
3	2.33	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.				
a	2.33.2	Beyond 60 cm girth upto and including 120 cm girth	Each	2.00	972.70	1945.40
b	2.33.3	Beyond 120 cm girth upto and including 240 cm girth	Each	2.00	4504.25	9008.50
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level				
a	4.1.8	1:4:8 (1cement : 4coarse sand : 8 graded stone aggregate 40 mm nominal size)-	Cum	6.00	4478.15	26868.90
5	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement.				
a	5.2.2	1:1.5:3 (1Cement :1.5coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	3.90	7145.80	27868.62

6	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to m15 landings, balconies, shelves, chajjas, inteles, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (Cement: 1.5 coarse sand (Zone-III) : 3 graded stone aggregate 20 mm nominal size.	Cum	1.40	7390.80	10347.12
7	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
a	5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform.	Sqm	14.00	422.30	5912.20
b	5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	38.00	467.85	17778.30
8	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a	5.22.6	Thermo Mechanically treated bars	Kg	550.00	56.60	31130.00
9	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with :				
a	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	58.00	3965.85	230019.30
10	10.25	Steel work welded in build up sections/framed work including cutting, hosting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
a	10.25.2	In gratings, frames, guard bar, ladder, railing, brackets, gates, safety grills and similar works	Kg	1750.00	85.95	150412.50
11	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	75.00	472.40	35430.00
12	11.20	Chequerred precast cement concrete tiles 22mm thick in foot path & courtyard/parking /ramp jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand:)	Sqm	250.00	661.35	165337.50

a	11.20.4	ordinary cement without any pigment				
13	13.1	12mm cement plaster of mix				
a	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	95.00	172.95	16430.25
14	13.43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
a	13.43.1	Water thinnable cement primer	Sqm	95.00	36.95	3510.25
15	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade				
a	13.46.1	New work	Sqm	95.00	96.05	9124.75
16	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
a	13.61.1	Two or more coats on new surface	Sqm	435.00	78.40	34104.00
17	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	217.00	1454.55	315637.35
18	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete 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	29.00	5012.65	145366.85
		Sub Total				1248595.74
		Add Ernakulam cost Index (49.02% addition to 2016 DSR)				612061.63
		Total for schedule items				1860657.37
		Non-Schedule Items				
19	1	Stone cladding work with Natural granite stone random size 50mm to 80mm thickness fixed with cement mortar 1:3 mix etc.complete.	Sqm	95.00	3300.00	313500.00
20	2	Cleaning existing well	Job	1.00	20000.00	20000.00
21	3	Grassing with selection No.1 grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed				
a	a	with Grass Truff	Sqm	2000.00	275.00	550000.00
22	4	Trees with seasonal fruits				
a	a	Coconut tree	Each	9.00	350.00	3150.00

b	b	Mango tree	Each	11.00	750.00	8250.00
c	c	Jack wood	Each	7.00	450.00	3150.00
		Total for Non Schedule works				898050.00
		Total for Civil works				2758707.37