

Construction of B + G + 4 Regional Office cum commercial building for Bhutan Post							
Measurement( Bill) 31/05/2024							
BoQ							
Sl.No	BSR Code Reference	Description of Items	Quantity	Unit	Rate	Amount(Nu.)	Remark
A	Clearing and Earth Work						
A.1	RW007	Excavation works	4.05	Cum	250.00	1012.50	
B	Stone works and Foundation works						
B.1	SM0072	Soling works	2.03	Cum	1500.00	3037.50	
B.2	CW003	PCC Works	1.35	Cum	6500.00	8775.00	
C	Steel Works for Drain Cover & Roof truss					0.00	
C	Drain Cover (steel work)		2010.14	Kg	190.00	381926.71	
D	Roof Truss(Steel Work)		437.79	Kg	190.00	83180.23	
E	Providing and fixing PPGL sheet(25g)		26.41	Sq.m	1122.73	29653.54	Analysed Rate as per BSR 2022
F	Providing and laying 15mm Eaveboard(MS Sheet 5mm thickness)		107.61	kg	190.00	20445.43	
G	Providing and fixing pre-painted Galvinised Iron sheet(25g)		20.83	Sq.m	1354.89	28216.94	Analysed Rate as per BSR 2022
H	Providing and fixing of Fastener(16mm dia x 12 inches)		33.00	No.s	250.00	8250.00	Analysed Rate
Net Receivable Amount(Nu.)						564497.86	

Ngultrum Five Hundred Sixty Four Thousand Four Hundred Ninety Seven and Chhetrum Eighty Six Only

Shekhar Construction  
Rinchen Chedrup

31<sup>st</sup> / 08 / 24

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**Detail Measurement for Bill (31/05/2024)**

Sl.No	Item/ Particular	Location	No.	Length(m)	Breadth(m)	Height(m)	Quantity	unit	Remark
A.Roof Truss									
	RHS(32X25X5mm)								
1	MS in Roofing	Exit Veh.Ramp	1	4.85			4.85		
		Entry Veh.Ramp	1	5.5			5.50		
				Total Length			10.35	Mtr.	
				Unit weight of RHS(32X25X5MM)			3.69	Kg/Mtr.	
				Total Qty.			38.19	kg	A
	RHS(32X32X5mm)								
1	Truss Top chord	Exit Veh.Ramp	4	2			8.00		
2	Truss Bottom chord	Exit Veh.Ramp	4	1.8			7.20		
3	Truss Top chord	Entry Veh.Ramp	5	2			10.00		
4	Truss Bottom chord	Entry Veh.Ramp	5	1.8			9.00		
				Total Length			34.20	Mtr.	
				Unit weight of RHS(32X32X5MM)			4.24	Kg/Mtr.	
				Total Qty.			145.01	kg	B
	RHS(25X25X5mm)								
1	MS	Exit Veh.Ramp	2	4.5			9.00		
2	Inclined Strut	Exit Veh.Ramp	4	1.82			7.28		
3	Vertical Strut	Exit Veh.Ramp	4	1.35			5.40		
4	Purlin	Exit Veh.Ramp	3	5.25			15.75		
5	MS	Entry Veh.Ramp	2	4.9			9.80		
6	Inclined Strut	Entry Veh.Ramp	5	1.82			9.10		
7	Vertical Strut	Entry Veh.Ramp	5	1.35			6.75		
8	Purlin	Entry Veh.Ramp	3	6			18.00		
				Total Length			81.08	Mtr.	
				Unit weight of RHS(32X32X5MM)			3.14	Kg/Mtr.	
				Total Qty.			254.59	kg	C
				Total Quantity(A+B+C)			437.79	kg	
B.Strip Drain cover									
1	MS Angle(50x50x5) as strip Drain Cover	at Exit Veh.Ramp	2.00	5.50			11.00		
			2.00	2.75			5.50		
			2.00	4.30			8.60		
		Along Grid 2-8	2.00	28.50			57.00		
		at Curved area	2.00	15.00			30.00		
		at Staircase side	1.00	1.43			1.43		
			15.00	0.25			3.75		
			1.00	1.30			1.30		
		Front Area/Elevation A	2.00	41.74			83.48		
		Drain Cover	2.00	3.20			6.40		
			2.00	7.40			14.80		
		at Entry Veh.Ramp	2.00	5.00			10.00		
			2.00	3.80			7.60		
			2.00	5.00			10.00		
				Total Length			250.86	Mtr.	
				Unit weight of MS Angle(50X50X5MM)			3.73	Kg/Mtr.	
				Total Qty.			935.71	kg	D
	MS Flat (50x5mm) as strip Drain Cover	at Exit Veh.Ramp	157.00	0.22			34.54		
			74.00	0.30			22.20		
			122.00	0.23			28.06		

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		Along Grid 2-8	698.00	0.24			167.52		
		at Curved area	420.00	0.24			100.80		
		at Staircase side	1.00	1.93			1.93		
			8.00	0.25			2.00		
			10.00	0.25			2.50		
		Front Area/Elevation A	117.00	0.25			29.25		
		Drain Cover	92.00	0.26			23.92		
			209.00	0.24			50.16		
		at Entry Veh.Ramp	137.00	0.20			27.40		
			2.00	0.37			0.74		
			2.00	0.35			0.70		
			4.00	0.30			1.20		
			3.00	0.25			0.75		
			95.00	0.23			21.85		
			142.00	0.23			32.66		
					Total Length		548.18	Mtr.	
					Unit weight of MS Flat(50X5MM)		1.96	Kg/Mtr.	
					Total Qty.		1074.43	kg	E
					Total Quantity(D+E)		2010.14	kg	190.00
1	Excavation Work		0.50	6.00	4.50	0.30	4.05	Cum	
2	Stone Soling		0.50	6.00	4.50	0.15	2.03	Cum	
3	PCC		0.50	6.00	4.50	0.10	1.35	Cum	
C.Roofing Material									
1.00	Roofing Sheet(PPGL)	Entry Veh.Ramp	2.00	6.20	2.13		26.41	Sq.m	
2.00	Eave Lining(Galvanised Iron Sheet)	Exit Veh.Ramp	1.00	4.25	1.80		7.65		
			1.00	1.80	0.90		1.62		
		Entry Veh.Ramp	1.00	5.50	1.80		9.90		
			1.00	1.80	0.92		1.66		
							20.83	Sq.m	
1.00	Eave Board(MS Sheets)	Exit Veh.Ramp	1.00	9.25		0.15	9.25		
		Entry Veh.Ramp	1.00	10.00		0.15	10.00		
							19.25	Mtr.	
							5.59	Kg/ Mtr.	
							107.61	kg	
D.Fastener Nuts									
1.00		Exit Veh.Ramp	15.00				15.00		
		Entry Veh.Ramp	18.00				18.00		
							33.00	No.s	



Providing & fixing Pre painted Galvalume (PPGL) Sheetting ,including necessary accessories for fixing sheet(excluding the cost of purlins,rafter and trusses) 25g(.5mm)

Code	Coefficient for per Sq.m				Total Amount	Remarks
	Description	Qty	Units	Rate		
LB0033	Carpenter Gd.2	0.08054	day	800.00	64.43	
LB0039	Work Supervisor	0.0069	day	750.00	5.18	
LB0077	Labourer	0.07371	day	600.00	44.23	
MT0278	PPGL Sheet	0.0071	tonne	119520.00	848.59	
	Total ( A )				962.43	
	Add 5 % on Total A				48.12	
	Total ( B )				1,010.55	
	Add 1 % on Total B				10.11	
	Total ( C )				1,020.66	
	Add 10 % on Total C				102.07	
	Item rate per Sq.mm (Nu.)				1,122.73	AS PER BSR 2022

Providing & fixing Pre painted Galvanised iron sheets,including necessary accessories for fixing(excluding the cost of purlins, rafters and trusses) 25g(.5mm)

Code	Coefficient for per Sq.m				Total Amount	Remarks
	Description	Qty	Units	Rate		
LB0033	Carpenter Gd.2	0.08054	day	800.00	64.43	
LB0039	Work Supervisor	0.0069	day	750.00	5.18	
LB0077	Labourer	0.07371	day	600.00	44.23	
MT0278	PPGL Sheet	0.0071	tonne	147550.00	1,047.61	
	Total ( A )				1,161.45	
	Add 5 % on Total A				58.07	
	Total ( B )				1,219.52	
	Add 1 % on Total B				12.20	
	Total ( C )				1,231.72	
	Add 10 % on Total C				123.17	
	Item rate per Sq.mm (Nu.)				1,354.89	AS PER BSR 2022

② Chulap :  
31<sup>st</sup>/09/24  
DS

# PPGL & PPGL Rates approved as it's lower than current BSR 2023 rates.

# fasteners @ Nu. 200 each.