

Unit Cost Tables of BSC-1 Spray Works (2020 FY in Japan)

Note: The costs related to BSC-1 material spray work are official public work unit cost in Japan 2020 FY. Therefore, the costs shall not be used for the other countries directly.

A person/ organization who would like to use BSC method are requested to contract to NIKKEN SOHONSHA Corporation (product manufacturing) and NIPPON KOEI Co., LTD (technology development).

<Contacts>

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Unit cost of BSC-1 spray work (JPY/100m²) * without consumption tax

Item		Unit	Amount	Unit cost	Cost	Remarks
1	BSC-1 spray work					Reference: Table 3.30 of the quantity per unit of seed spray work in Japan (Guideline of Cost Estimation for Landscaping Works in Japan)
	Site manager	man-day	0.1	24,900	2,490	Laybor unit cost of Okinawa Prefecture (2020)
	Worker on slope	ditto	0.2	23,600	4,720	-ditto-
	General worker	ditto	0.2	19,300	3,860	-ditto-
	Material (BSC-1 & fertilizers)	m ²	100	1,354	135,352	Ref. Breakdown table Brd-1
	Spray machine	hour	0.6	2,130	1,278	Ref. Breakdown table Brd-2
	Truck	ditto	0.6	6,514	3,908	Ref. Breakdown table Brd-3
	Expenses	set	1		442	expenses rate: 4%
	Total	set			152,050	per 100m ²
	Unit cost/m ²	set			1,521	

Note1: Costs for additional works: i.e. prepration work, temporary work, safety work, and other necessary works shall be added in case.

Note2: Unit costs shall be considered based on the site and area condition.

Breakdown Table per 100m² * without consumption tax

Item		Unit	Amount	Unit cost	Cost	Remarks
Brd-1	Spray materials					
	BSC-1	m ²	100	Note 1,300	130,000	Note: Unit Cost of BSC-1 shall be changed by season, area, etc. Actual purchase shall be discussed with the agents.
	Base material (fiber)	kg	6.0	190	1,140	Construction cost 2020.Aug. (Japan) (Nation avg)
	Fertilizer NPKMg (10-10-10-1)	kg	10.0	400	4,000	Ref. JCOM AGRICO.,Ltd (http://www.jcam-agri.co.jp/en/index_g.html)
	Adhesives (C402)	kg	0.1	2,120	212	Construction cost 2020.Aug. (Japan)
	Expenses	set				None
	Total				135,352	
Brd-2	Spray machine					
	Fuel (diesel)	litter	4.2	150	630	Actual cost
	Equipment ownership cost (2.5m ³ Tank)	hour	1.0	1,500	1,500	Equipment ownership cost table (Japan) (2020)
	Expenses	set				None
	Total				2,130	
Brd-3	Truck					
	General driver	man-day	0.21	21,900	4,599	Workers cost (Okinawa prefecture) (2020)
	Fuel (diesel)	litter	5.3	150	795	Actual cost
	Equipment ownership cost (3ton Truck)	hour	1.0	1,120	1,120	Equipment ownership cost table (Japan) (2020)
	Expenses	set				None
	Total				6,514	

Note 1: Additional material, mixing rate of fertilizers, and other necessary items shall be changed and/or added by case.

Note 2: Appropriate unit cost based on the site condition and season shall be considered.