

## Wakefield Gate, Ludhiana

## ESTIMATE

S.No.	CSR /NS	Description of Item	Unit	Quantity	Rate	Amount
1	<b>EARTH WORK &amp; DISMANTLING</b>					
1.01	8.39	Dismantling of brick work in cement sand mortar / lime mortar including T&P scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material & stacking the serviceable material with all lifts & lead of 100 metre.	cum	0.48	660.00	316.80
1.02	8.31 b&c	Scraping - Lime plaster /cement plaster	sqm	22.00	36.00	792.00
		<b>Total</b>				<b>1,109</b>
2	<b>CIVIL WORKS</b>					
2.01	NS	Brick masonry with Lakhori / Nanakshahi bricks matching the size of existing bricks for walls in lime mortar 1:1:1 (1 lime: 1 coarse sand: 1 Surkhi) mixed with organic / chemical additives for new/ restoration works complete in all respects as per the direction of Engineer in Charge. <b>Note:</b> For payment purpose only new quantity of brick work executed shall be measured.	cum	1.00	8,632.00	8,632.00
2.02	NS	Extra for brick masonry with Lakhori / Nanakshahi bricks for decorative brick work, kagura	cum	0.54	1,340.00	723.60
2.03	NS	Consolidation of existing brick masonry wall surface including raking of joints, pointing and restoration of minor damaged or broken brick masonry in similar brick size. consolidation of brick masonry in surface area will be measured in square Meter basis, the rate shall inclusive of clearing of surface, raking of joints, repointing of surface and restoration of damaged portion (approx. 15-20% of measured surface area) of brick masonry upto 200 mm deep as per given specification, raking out the deteriorated joints in lime mortar from the brick masonry surface and repointing in lime Surkhi mortar (1 lime :1coarse sand :1surkhi ). Plaster on the brickmasonry surface if required shall be paid additionally.Item to include all necessary tools, scaffolding, material, labour complete as per the direction of Project Manager.	Sqm	22.00	416.00	9,152.00
2.04	NS	Stitching the cracks in brick masonry using local brick & lime mortar matching the traditional lime mortar and bricks as existing in the historic structure after raking, cleaning and washing the cracks, as directed by Engineer in charge. <b>Note:</b> For payment purpose only volume of the stitched brick masonry surface shall be measured.	cum	0.24	9,595.00	2,302.80

S.No.	CSR /NS	Description of Item	Unit	Quantity	Rate	Amount
2.05	NS	Lime plaster including preparation of mortar by traditional practice (by grinding) in specified courses and LoI, including tamping, beating, curing till the shrinkage cracks will disappear. The work also includes adding gur, gugal, methi, sam, jute, hemp, belgiri etc and removal of old loose / decayed plaster and curing the plaster. i) For walls : 20-25 mm thick in 2 courses with base course in lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand) and top coarse in lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 fine sand).	sqm	22.00	314.00	6,908.00
2.06	NS	ii) Extra for lime plaster in pillars and other decorative features such as motifs, cornices and bands.	sqm	3.00	134.00	402.00
2.07	NS	iii) Extra for lime plaster in ceiling & curved surfaces including vaults, arches, Domes etc.	sqm	8.00	179.00	1,432.00
2.08	NS	Stucco work in lime surkhi mortar (1 lime putty : 2 surkhi ) as per existing design work/ traditional practice by skilled craftsman. The stucco work shall be done as per restoration procedure. The lime mortar shall be prepared as per traditional practice (by grinding) adding gur, gugal and Methi. The thickness may vary from from 30mm to 100mm as per design. <b>Note:</b> For measurement minimum rectangular surface area shall be measured.	sqm	3.00	1,979.00	5,937.00
2.09	NS	Lime concrete coping 1:1:1:1 (1 lime putty : 1 coarse sand: 1 surkhi:1 brick aggregate size 6-10mm) including tamping and rubbing until all shrinkage cracks will disappear, complete in all respects.	cum	1.00	5,874.00	5,874.00
2.10	NS	Khamira colour washing as per traditional practice (with base coat of lime wash). To prepare the khamira. The lime should be slaked for at least 7- 10 days and regularly stirred by adding curd, gugal, pigment of required shade (approved by Engineer in Charge) and filtered properly before application to the surface. Then applying prepared solution on walls to give an even shade (Two or more coats).	sqm	22.00	47.00	1,034.00
2.11	NS	Providing and spraying / brushing of Gur, gugal & methi solution for bonding of lime work as per specification (200 gm gugal, 200 gm belgiri powder, 200 gm methi powder and 1 kg gur mixed in 20 litre water and boiled and sttired till the solution volume reduce upto 3/4th) using 15.00 litre solution in 10.00 sqm. area.	sqm	22.00	63.00	1,386.00
		<b>TOTAL</b>				<b>43,783</b>
				<b>GRAND TOTAL</b>		<b>44,892.20</b>
Unless otherwise specified, all rates includes the cost of labour and materials, tools & plants, ladders, scaffolding, lead & lifts etc. complete in all respect.						