

**Royal Bhutanese Embassy
New Delhi**

Estimates of BOQ for the Repairs of Embassy compound wall

Sl.No.	Particulars	Unit	Qty	Rate	Rate in Words	Amount
1	Dismantling old plaster works and cleaning the surface for plaster including disposal of debris to the dumping ground outside of Embassy area.	sqm	1204.25			
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material/debris to dumping ground outside of Embassy area.	cum	29.2			
3	Removing of existing old concertina coil wire placed on the wall top	mtr	265			
4	Providing and laying plastering on the wall 1:4 (1 cement: 4 fine sand)	sqm	1312.5			
	From corner of Bungalow No.1 to gate No.2 (both inner and outer)					
	From Bungalow No. 1 corner at main road side till driver's quarter backside (inner side of wall)					
5	Refixing 40x40x4mm angle for holding concertina wirings including weilding wherever required, complete on the wall as in the site including cement works as instructed by the client.	No	6			
6	Refixing of old existing steel fence railings making good including weilding wherever required complete on the wall as in the site including cement works as instructed by the client.	mtr	40			
7	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart or as per the site and with 6 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately if required only)	mtr	265			
7	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	sqm	768.6			

8	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-in charge. 2.6.1 All kinds of soil.	cum				
9	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-III0 derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources) in the foundation of the dismantled wall to be done.	cum	1.35			
10	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: 6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	9.45			
12	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 up to 50 m and lift upto 1.5 m. (Sides of foundations)	cum	3			
13	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : 13.102.1 One or more coats on old work including cleaning the old ones with steel brush neat and clean before painting.	sqm	233.5			
Total Amount						

Additional Notes for the repair of Royal Bhutanese Embassy boundary wall

1. All the plastering works for both inside and outside of the wall from Corner of the Bungalow No. 1 till Gate No. 2 (close to the Nigerian High Commission) is being included as all the plastering are peeling out.

2. Existing Concertina wire stretching from corner of Bungalow No. 1 corner wall to Gate No. 2 will be replaced with new one as the old ones are all either disconnected or gone out of alignment/ wornout.

3. In Three areas towards the Bungalow No. 1 side walls measuring 40 mtrs need to be dismantled completely and construct a new ones as the wall is near to collapse due to growth of tree roots and some cracks developed.

4. Wall painting from both inside and outside from corner wall of bungalow no. 1 till gate no. 2 and inner side of the walls from corner of bungalow no.1 till the backside of driver's quarter considered.

5. Antirust paint for all the MS railings including the Y angle of the existing is included to be carried out.