BARH KI CHOWKI, DELHI

PROJECT COMPLETION REPORT

SEPTEMBER 2023



Prepared by:

Architectural Heritage Division, Indian National Trust for Art and Cultural Heritage, New Delhi



Project by: Delhi Police, New Delhi

Funded by: National Culture Fund, Ministry of Culture





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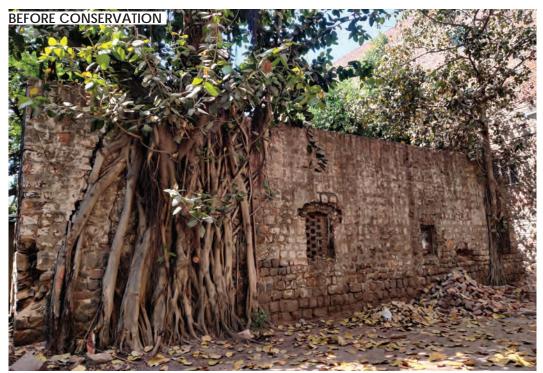
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1. INTRODUCTION

Barh ki Chowki is located in Daya Basti, Old Rohtak Road, Delhi. It is one of the oldest police chowkis in Delhi, constructed in between 1800 and 1820 CE. INTACH was approached by Delhi Police for the conservation of the Chowki in December 2021. Further to this, the work of Conservation and Adaptive Reuse of Barh ki Chowki was divided in two phases.

- » The Phase-I incorporated civil restoration and structural retrofitting of the structure, which was carried out with INTACH's own fund over a period of five months from March to August 2022.
- » Following the phase-I, Delhi Police arranged for the funding of execution of Phase-II from the National Cultural Fund, Ministry of Culture. The execution of the Phase-II of the project was started on site in February 2023 and completed in August 2023.



Barh Ki Chowki before conservation, April 2022



Barh Ki Chowki during conservation, July 2022



2. PHASE - I (FUNDED BY INTACH)

The primary focus of the Phase-I works was site clearance, restoration of the structure wherein the roof was completely damaged, and walls had massive trees growing through them. Phase-I was carried over a period of over a period of five months from March to August 2022.



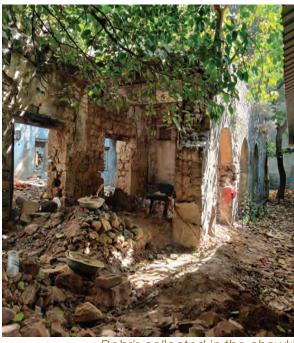
Barh ki Chowki before restoration, April 2022

i. Debris Clearance & Vegetation Removal

The Barh ki Chowki structure was concealed behind a temporary structure that accommodated the Anti Auto Theft Squad (AATS) of North District, Delhi. The chowki was in a dilapidated state wherein the damage of the roof caused it to fall down. These debris were collected within the chowki itself. During the phase-I these debris were cleared on the site. Similarly, the large trees that had grown through the walls of the chowki structure, were carefully removed.



Vegetation growth through the walls

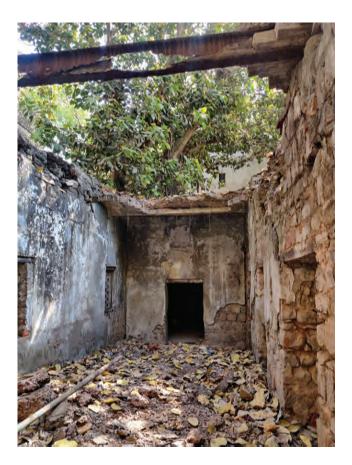


Debris collected in the chowki



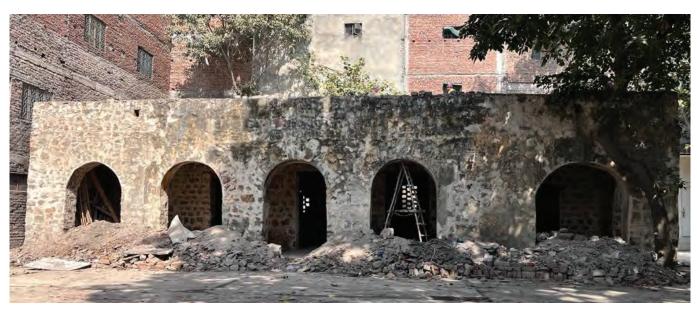
ii. Restoration of the Structure

The chowki is a rectangular structure made up of two rooms, with an arcade on the front. The roof of bigger room (as seen in the image) and the arcade had collapsed. A small fragment of the roof which was still intact showed signs of original jack arches. Based on these evidences, the jack-arch roof was restored using traditional techniques and material. The walls of the chowki were in a complete state of despair, with massive trees growing through them. This affected the structural stability and also resulted in collapse of certain portions of the wall. After removal of vegetation, the walls were restored reusing the existing material as much possible.





View of Barh ki Chowki front facade, February 2023



Barh Ki Chowki during conservation, July 2022



3. PHASE-II [FUNDED BY DELHI POLICE THROUGH NATIONAL CULTURE FUND (NCF)]

The Phase-II works were carried out over a period of seven months from February to August 2023. During this phase, the focus was on the waterproofing, finishes of the chowki walls, flooring, installing doors and windows. The building foreground was designed and developed with landscaping and parking space along with the repairs to the compound wall as well as provision was made for an additional gate. During this phase, information panels and signages stating the significance of the building and its restoration efforts were also designed and installed.



Barh ki Chowki Site during Phase-II landscape works



Barh ki Chowki Site during Phase-II works



i. Wall Finishes

The walls of the chowki are made up of exposed stone masonry. The interior and exterior walls of the building were mechanically cleaned and fi nished with recessed pointing. Additionally, the existing compound wall was repaired, wherein the crete plaster was removed and replaced with cement plaster. The external wall of the meter room in the south-east corner was also plastered in cement.



Barh ki Chowki Site during Phase-II works



Barh ki Chowki Site during Phase-II works



ii. Floor & Roof Finishes

The chowki structure is made up of two rooms and a corridor in the front. The flooring of the large room and the corridor was completed with IPS flooring. The flooring of the smaller room, however, was finished using araish lime flooring. Plinth protection was provided along the periphery of the building. After the restoration of the jack arch ceiling during the Phase-I, it was plastered in lime during the Phase-II. The roof was completed with a layer of lime mortar which will be followed by a water proofing layer, once the monsoon rains completely subside.



Flooring in progress in the chowki



Araish flooring in the small room



Plinth protection around the periphery of the structure





The application of lime mortar on the roof



Testing of waterproofing samples for the roof



iii. Doors & Windows Installation

The door openings in the Chowki building were found in a despair and were missing door shutters, at the inception of the project. During this phase, 7 teak wood doors were made on site along with sal wood frames. The four window openings were provided with red sandstone jalis along with mosquito mesh in a wooden frame.







Installation of Red Sandstone window jali and mosquito mesh







Making and installation of Teak wood doors





Making and installation of Teak wood doors



iv. Landscape Design

The foreground of the Chowki was covered with a temporary structure which hid the building completely. This structure was dismantled and moved to the rear of the chowki as a part of the interventions. The foreground was therefore designed with a concrete pathway in front of the building surrounded by a garden lined with Wedelia plants. The existing well on site was also repaired, and a seating space has been created.

The compound wall was repaired and a pedestrian gate was added to its centre, while the existing gate for car access was moved to the west corner of the wall. A car park accommodating four cars was also provided through the entrance from this gate. The rear and the sides of the building was covered with paver blocks. All these added elements together with the restored structure, enhance the Barh ki Chowki complex.





Concrete pathway work in progress in front of the Chowki building



Planting of Wedelia plants in the garder



Replacing of the gate for car entrance



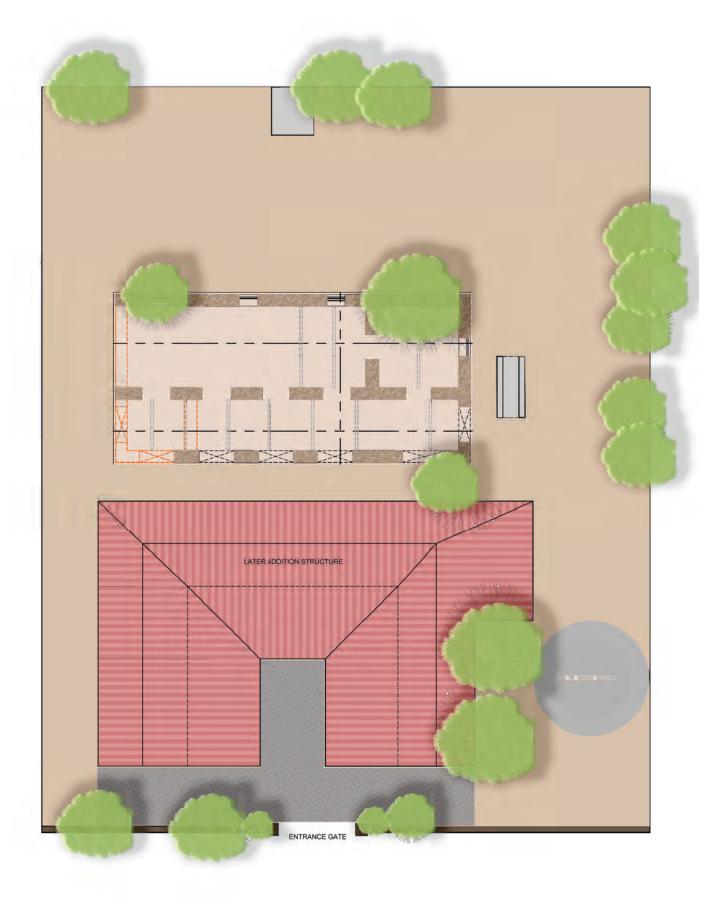
Metal cage addition and plaster of the well



Cement repairs of the compound wall



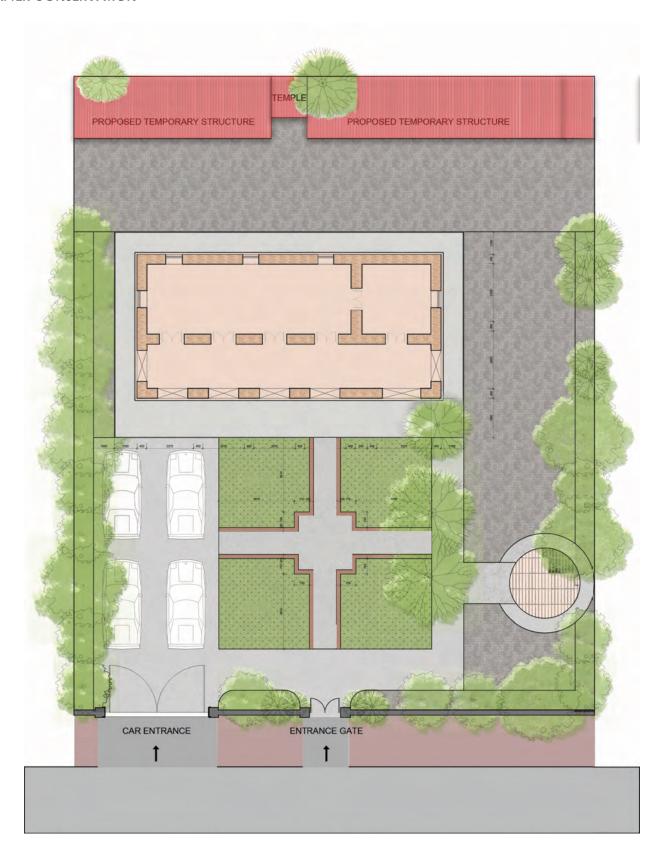
BEFORE CONSERVATION



BARH KI CHOWKI SITE PLAN (EXISTING)



AFTER CONSERVATION



BARH KI CHOWKI SITE PLAN (AS EXECUTED ON SITE)









Landscape design of the complex showcasing pathway and garden



v. Electrical Works & Illumination Design

In addition to the conservation works, illumination design to enhance the restored façades of the structure was carried out on site. The interior spaces were lit with 7 nos of LED wall lights in the rooms and the corridor. Additionally, lighting fixtures were provided and installed free of charge by **Lightup Plus Pvt Ltd**. The electrical works for the same namely the wiring and conduiting was carried out by SP Safe Control Systems Pvt Ltd. The front and the side façades were provided with water-proof underground LED lights. The lighting fixtures used are listed as follows:

- 1. Model No. FC2438, 1000 mm length, 10 nos.
- 2. Model No. FC1318, 600 mm length, 4 nos.
- 3. Model No. F0407, 300 mm length, 15 nos.





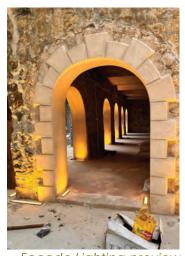


Installation of the lighting fixtures on site

Facade Lighting preview







Facade Lighting preview

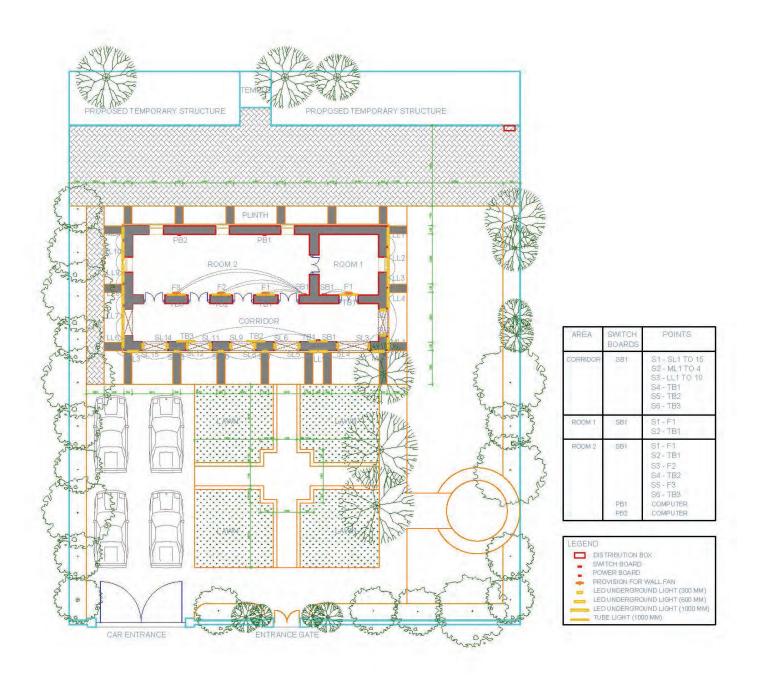






Front and side façades after installation of the lighting fixtures





BARH KI CHOWKI PLAN SHOWING THE ELECTRICAL LAYOUT



vi. Well Restoration

The existing well on the site had been closed off in the past with a RCC slab. During this phase, the slab has been completely dismantled to open it up for use, the well has been cleared of any debris. The external wall has been plastered and the internal wall pointed, and a metal cage was added with a openable door. Thus helping revive the well for continuing its usage.



Well before opening up the slab



Well during restoration



Well during installation of metal cage



Well during installation of metal cage





Well post restoration



vii. Porta Cabin Construction

During the Phase-I, the porta cabins from the front of the chowki structure were dismantled under the supervision of INTACH, to open up the foreground. During the Phase-II, INTACH also supervised the construction of porta cabins to be used as office and residential spaces for the Delhi Police staff. These are constructed behind the chowki structure towards the north end of the site. These consisted of four office spaces, a kitchen and wash rooms. These works were carried out by the Delhi Police.





Existing Porta Cabins in front of the Chowki building

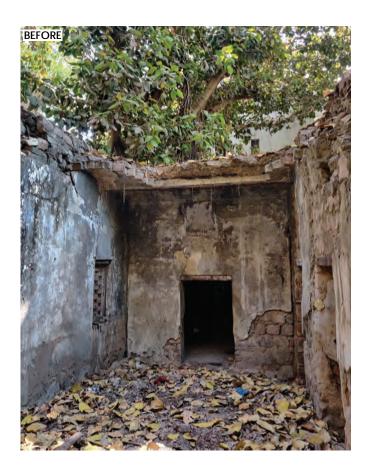






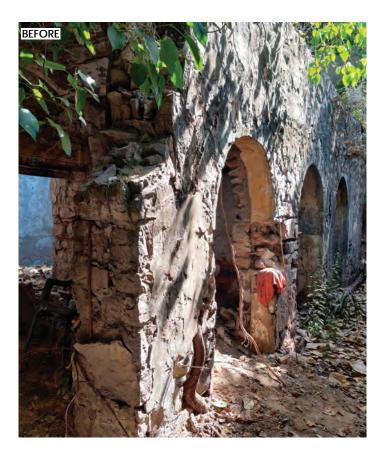
Porta Cabins constructed behind the Chowki building

4. BEFORE & AFTER RESTORATION IMAGES





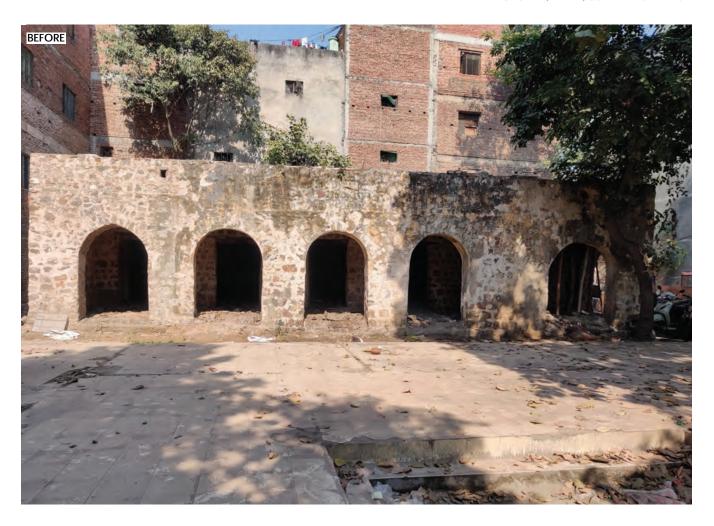
Barh ki Chowki interiors





Barh ki Chowki external facade



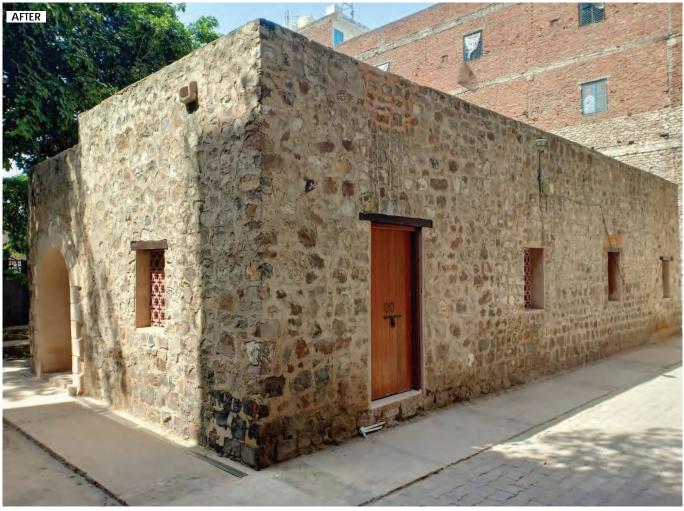




Barh ki Chowki front facade

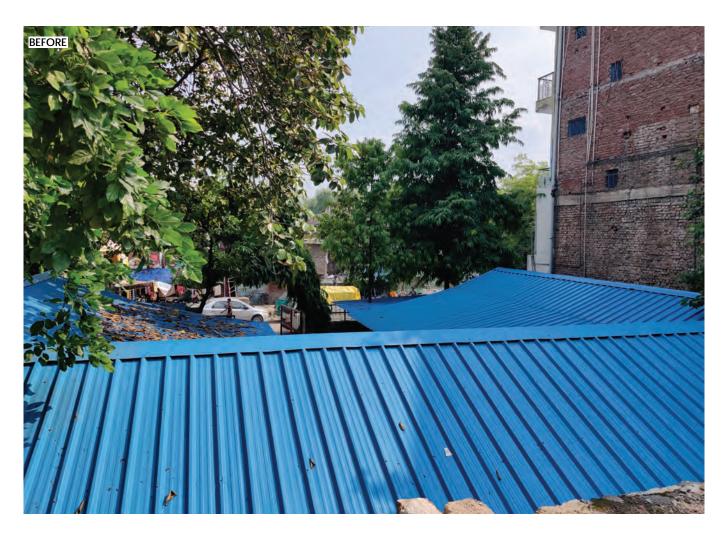






Barh ki Chowki rear facade







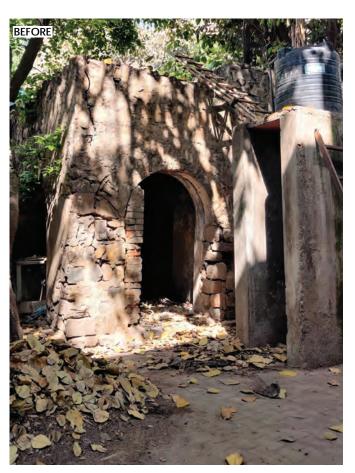
Barh ki Chowki landscape design in the front of the structure

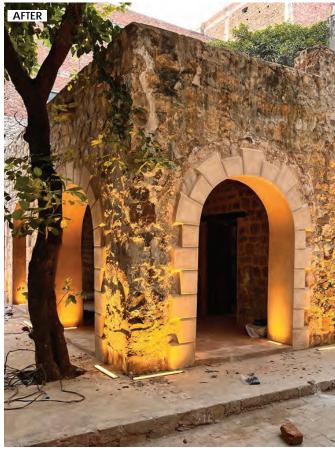






Barh ki Chowki entrance gate





Barh ki Chowki side facades







Barh ki Chowki well



Sr. No. Refere Code A DSR 2 1.1.1	Description SITE CLEARANCE & SCAFFOLDING Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground fo lead upto 5 km for all lifts, complete as per directions of Engineer-in-charge and for sorting lifting & stacking charges for architectural parts up to 50 m lead. Providing and fixing double scaffolding system (cup lock type) on the exterior side	cum		903.11	Quantity 109.2	_	### 198,619.61	As (February Quantity			As po (May to A Quantity	ugus	
A DSR 1 2	Description SITE CLEARANCE & SCAFFOLDING Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground fo lead upto 5 km for all lifts, complete as per directions of Engineer-in-charge and for sorting lifting & stacking charges for architectural parts up to 50 m lead. Providing and fixing double scaffolding system (cup lock type) on the exterior side	cum			Quantity		Amount	(February Quantity	to A	pril 2023) Amount	(May to A Quantity	ugus	t 2023) Amount
A DSR12	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground fo lead upto 5 km for all lifts, complete as per directions of Engineer-in-charge and for sorting lifting & stacking charges for architectural parts up to 50 m lead. Providing and fixing double scaffolding system (cup lock type) on the exterior side	r				₹					,		
DSR I 2	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground fo lead upto 5 km for all lifts, complete as per directions of Engineer-in-charge and for sorting lifting & stacking charges for architectural parts up to 50 m lead. Providing and fixing double scaffolding system (cup lock type) on the exterior side	r	₹	903.11	109.2	₹	98,619.61	65.52	₹	59,171.77	30	₹	27,093.30
DSR I 2	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground fo lead upto 5 km for all lifts, complete as per directions of Engineer-in-charge and for sorting lifting & stacking charges for architectural parts up to 50 m lead. Providing and fixing double scaffolding system (cup lock type) on the exterior side	r	₹	903.11	109.2	₹	98,619.61	65.52	₹	59,171.77	30	₹	27,093.30
1 1 1	malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground fo lead upto 5 km for all lifts, complete as per directions of Engineer-in-charge and for sorting lifting & stacking charges for architectural parts up to 50 m lead. Providing and fixing double scaffolding system (cup lock type) on the exterior side	r	·	500.11	203.2	,	30,013.01	03.32	•	33,171.77	30	•	27,030.00
	system (cup lock type) on the exterior side	cam											
2 DSR II 2 14.7	up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerincharge .The elevational area of the scaffolding shall be measured for payment purpose . The payment will be made once irrespective of duration of scaffolding.		₹	285.00	187.92	₹	53,557.20	120	₹	34,200.00	₹ 42.00	₹	11,970.00
	SUBTOTAL					₹	152,176.81		₹	93,371.77		₹	39,063.30
В	DISMANTLING WORKS												
1 NS	Careful removal, hoisting and lowering of debris and collapsed parts from any height to sort serviceable material from unserviceable material and stacking of usable material with disposal of left out Malba to nearest approved municipal dumping ground including loading, transporting and unloading. Careful removal of existing deteriorated/damaged/weathered lime plaster without damaging the surface below it. Demolishing R.C.C. work manually/by			6,000.00 8,928.10	LS	₹	25,000.00	0.16875	₹	494.12	50	₹	146,405.00
2 DSR II 2	mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	. 2	., <i>5</i> 26.1U				0.108/5	`	494.12	30	`	•
	SUBTOTAL					₹	25,000.00					₹	146,405.00

С		RESTORATION WORKS												
										1				
		Random Rubble Masonry (Construction)												
		Masonry Random rubble masonry with	cum	₹	2,477.05	35.67	₹	88,356.37						
		hard stones in foundation and plinth												
1	NS	including levelling with 50mm thk lime												
		concrete (1 lime: 3 surkhi: 6 coarse sand)												
		with 20 mm stone aggregate upto plinth												
		level with lime mortar 1:1:1 (1 Lime: 1 Surkhi: 1 Coarse sand), using existing												
		stones salvaged from site clearance												
	DSR 2021	Providing precast stone jambs for the	cum	₹	4,824.75	5.60	₹	27,018.60						
2	8.14	existing door and window opening		`	.,02 3	5.00	`	27,020.00						
		Making plinth protection 50mm thick of	sqm	₹	596.60	61.32	₹	36,583.51				61.64	₹	36,774.42
		cement concrete 1:3:6 (1 cement : 3	· ·					,						,
		manufactured sand derived from Recycled												
		Concrete Aggregate (RCA): 6 graded stone												
	DSR I 2021	aggregate 20 mm nominal size (Recycled												
3	4.17B	Aggregate (RA) over 75mm thick bed of dry												
	4.176	brick ballast 40 mm nominal size, well												
		rammed and consolidated and grouted												
		with fine sand, including necessary												
		excavation, levelling & dressing & finishing												
<u> </u>		the top smooth		-	205.46	CEC 22	-	102.040.00		1		F.0		4477000
		Lime plaster 1:2 (1 slaked lime: 2 coarse	sqm	₹	295.46	650.00	₹	192,049.00				50		14,773.00
4	NS	sand) 20mm thick in two coarses. First												
		coat will be in 12 mm and second coat will be in 8 mm.												
		Repointing of raked out joints of Random	sqm	₹	191.05	895.11	₹	171,010.77	15	₹	2,865.75	611.67	₹	116,859.55
5	NS	rubble masonry by using lime mortar 1:1:1	34111	`	131.03	055.11	`	171,010.77	13	`	2,003.73	011.07	`	110,033.33
		(1Lime:1coarse sand:1Brick jeera)												
	NS	Repointing of raked out joints in brick	sqm	₹	257.05				74	₹	19,021.70			
6		masonry by using lime mortar 1:1:1									,			
		(1Lime:1coarse sand:1Brick jeera)												
7	NS	Pointing of raked out joints of random	sqm	₹	566.31									
/		rubble masonry by using lime mortar 1:1:1												
	NS	30-40mm lime plaster in two coats with 20	sqm	₹	1,269.20				85	₹	107,882.00			
8		mm base coat in lime mortar 1:1:1 (1 lime:												
		1 Surkhi: 1 Coarse Sand) and top coat in												
		lime mortar 1:1:1 (1 lime: 1 Surkhi: 1 Fine		_						<u> </u>			<u> </u>	
	NS	Providing & applying lime kara 1:2 (lime	sqm	₹	937.33				85	₹	79,673.05	42.5	₹	39,836.53
		cream : 2 zikki powder) grinding mortar												
		with grinding mill/manually on lime base, onall flat surface in two coats. First coat												
9		applying 3 mm to 4 mm thick and curing												
		properly at least 7 days, second finishing												
		coat done after 7 days of previous coat as												
		per traditional practice. (150% of domical												
		surface/ spherical/ domical ceiling)								1				
10	NS	Lime Mortar 1:1:1 (1 Slaked lime: 1 surkhi:	cum	₹	8,172.56				5.11	₹	41,761.78	15.33	₹	125,285.34
10		1 fine sand)												
		SUBTOTAL					₹	515,018.25		₹	251,204.28		₹	333,528.85
		Poor Works								1				
D		ROOF WORKS		=	200.40	20.25	=	0 217 00		T	J			
		Dismantling jack arch roofing and floors including stacking of serviceable material	sqm	₹	209.40	39.25	₹	8,217.90		1				
		and disposal of unserviceable material								1				
1		within 50 metres lead.15.30 Dismantling												
	DSR II 2021	jack arch roofing and floors including								1				
	15.3	stacking of serviceable material and												
		disposal of unserviceable material within								1				
		50 metres lead.								1				
				L			L						L	
		Construction of Jack arched roof using	sqm	₹	5,325.32	78.49	₹	417,984.05						
		Rolled steel joists, fired clay bricks with								1				
	NS	composite lime mortar mix 1 cement: 3								1				
		Slaked lime: 4 Coarse sand: 8 Coarse								1				
		aggregate, using bricks salvaged from the								1				
1	i	site and using 50% new bricks		1			1			1			1	

		Providing and laying lime concrete in	cum	₹ 10	0,000.00				8	80,000.00			
		horizontal bands or coping, bed blocks, etc.											
		up to 15 mts height, excluding the cost of											
	NS	centering, shuttering and finishing 1:1											
		1/2:3 (1 lime : 1 1/2 coarse sand : 3 grades											
		aggregate 20 mm nominal size)											
		SUBTOTAL					₹	426,201.96		80,000.00			
	ı			I.				,		,			
Е		DOORS-WINDOWS											
		Dismantling wood work in frames, trusses,	cum	₹	364.50	LS	₹	5,000.00				₹	5,000.00
		purlins and rafters up to 10 metres span						,					•
	DSR II 2021	and 5 metres height including stacking the											
1	15.14	material within 50 metres lead : 15.14.1 Of											
		sectional area 40 square centimetres and											
		above											
		Old/Heritage Doors from salvaged	nos	₹ '	5,500.00	6.00	₹	33,000.00				₹	80,000.00
2	NS	materials			3,500.00	0.00	`	33,000.00				,	00,000.00
		Old/Heritage Windows from salvaged	nos	₹ !	5,000.00	4.00	₹	20,000.00					
3	NS	materials	1103	, ,	3,000.00	4.00	`	20,000.00					
		Providing and fixing ISI marked M.S.					₹	_					
	DSR I 2021	pressed butt hinges bright finished with					1						
4	9.55	necessary screws etc. complete											
	5.55	125x65x2.12 mm	each	₹	48.00	13.00	₹	624.00			20	₹	960.00
		Providing and fixing ISI marked oxidised	catil	`	40.00	13.00	₹	024.00			20	`	300.00
	DSR 2021						1	-					
5	9.66	M.S. handles conforming to IS:4992 with											
	3.00	necessary screws etc. complete:		_	25.20	10.00	-	252.00				_	244.20
		125 mm	each	₹	35.20	10.00	₹	352.00			6	₹	211.20
	DCD 2024	Providing and fixing ISi marked oxidised					₹	-					
6		M.S. door latches conforming to IS:5930											
	9.65	with screws etc. complete		<u> </u>			-					<u> </u>	
		300x20x6 mm	each	₹	82.40	10.00	₹	824.00			6	₹	494.40
		Providing and fixing oxidised M.S.					₹	-					
_	DSR I 2021	casement stays (straight peg type)											
7	9.68	with necessary screws etc. complete.					<u> </u>						
		200 mm weighing not less than 120 grams	each	₹	45.20	4.00	₹	180.80					
	—						-						
		Providing and fixing red sandstone jali 40	LS									₹	31,570.00
8	NS	mm thick throughout in lime mortar											
							<u> </u>						
		SUBTOTAL					₹	59,980.80				₹	118,235.60
_		WATERROOFING											
F		WATERPROOFING		-	C1E 00	102.20	T =	62.052.00		I			
		Providing and laying in situ seven course	sqm	₹	615.00	102.20	₹	62,853.00					
		water proofing treatment with APP (Atactic											
		poly-propylene) modified Polymeric											
		membrane											
		over roof consisting of first coat of bitumen											
		primer @ 0.40 litre per sqm, 2nd, 4th & 6th											
		courses of bonding material @ 1.20											
		Kg/sqm,											
		which shall consist of blown type bitumen											
		of grade 85/25 conforming to IS: 702, 3rd											
		and 5th layers of roofing membrane APP											
	DSR II 2021	modified Polymeric membrane 1.5 mm											
1		thick of 2.25 Kg/sqm weight consisting of											
	14.86	five layers prefabricated with centre core											
		as 20 micron HMHDPE film sandwiched on											
		both sides with polymeric mix and the											
1		polymeric mix is protected on both side											
		with 20 micron HMHDPE film. 7th, the top											
1		most layer shall be finished with brick tiles											
		of class designation 10 grouted with											
		cement mortar 1:3 (1cement : 3 fine sand)											
1		mixed with 2% integral water proofing											
i												1	
		compound by weight of cement over a 12											
		compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement :											

	NS	Providing & applying a coat of organosilane	sqm	9	32.46				82	₹	76,461.72		₹	76,461.72
		water proofing treatment over lime												
		concrete layer. The chemical must be												ļ
		diluted with potable water in ration of 1:45												
		to obtain a clear transparent solution. The												
		•												
		coating is to be applied by saturating the												
		lime concrete surface by flooding method												
		and leaving it for 48 hr to be executed												
		under the Engineer-In-Charge.												
	NS	Providing and applying on horizontal &	sqm	23	348.59				82	₹	192,584.38			
		vertical surface, two coats of highly flexible												
		elastomeric joint-less coating based on												
		elastomer technology (compatible with												ļ
		organo silane WP treatment. To be applied												
		on expose condition.												
		SUBTOTAL								=	269,046.10		₹	76 461 73
		SUBTUTAL		-						₹	269,046.10		+`-	76,461.72
			<u> </u>	<u> </u>						<u> </u>	L		Ь_	
G		SITE DEVELOPMENT												
	DSR 2020	Supplying and stacking of good earth at site	cum	₹	78.10	385.91	₹	30,139.41				192.954		30,139.41
	(Horticultur	including royalty and carriage upto 5 km												ļ
1	e &	lead complete (earth measured in stacks												
	Landscaping	will be reduced by 20% for payment												
) 2.3	1	ĺ	1						1			1	ļ
2	2.7	Fine dressing of the ground.	sqm	₹	3.70	385.91	₹	1,427.86		1	İ		1	1,427.86
		Grassing with selection No. 1 Doob grass	Sqm	₹	17.70	321.59	₹	5,692.14		1	+		†	,, .00
	DSR 2020		Jqiii	\	17.70	341.33	`	3,032.14					1	
		including watering and maintenance of the		1									1	
	-	lawn for 30 days or more till the grass								1				
3	e &	forms a thick lawn, free from weeds and fit		1									1	
	Landscaping	for mowing including supplying good earth,												
)	if needed (the grass and good earth shall												
	2.10	be paid for separately) 2.10.1 In rows 5 cm												
		apart in both directions												ļ
		Supplying & Stacking of Selection No.1	Sqm	₹	45.00	321.59	₹	14,471.55						-
	DSR 2020	doob grass turf at site fresh & free from												ļ
		weeds having proper roots in green												ļ
4	e &	including loading, unloading, carriage and												ļ
4														ļ
		all taxes paid etc.and as per direction of												ļ
) 2.35	officer in charge.												J
										_			₽	
		Preparation of beds for hedging and	cum	₹	222.85	128.64	₹	28,666.53				128.64		28,666.53
		shrubbery by excavating 60 cm deep and												
		trenching the excavated base to a further												
		depth of 30 cm, refilling the excavated												
		earth after breaking clods and mixing with												
		sludge or manure in the ratio of 8:1 (8												
	DSR 2020	parts of stacked volume of earth after												
		reduction by 20%: one part of stacked												ļ
		,												ļ
5	e &	volume of sludge or manure after												ļ
		reduction by 8%), flooding with water,												ļ
)	filling with earth if necessary, watering and	ĺ	1						1			1	
	2.13	finally fine dressing, leveling etc. including	ĺ	1						1			1	
		stacking and disposal of materials declared		1									1	
		unserviceable and surplus earth by		1									1	
		spreading and leveling as directed,								1				
		within a lead of 50 m, lift up to 1.5 m		1									1	
		complete (cost of sludge, manure or extra								1				
		earth to be paid for separately)								1				
		Plantation of Trees, Shrubs, and Hedge at					1			+	ł		+-	
	DSR 2020	_	ĺ	1						1			1	ļ
		site i/c watering and removal of		1									1	ļ
		·		1									1	ļ
6	e &	of officer in charge (excluding cast of plant		1									1	ļ
ŭ	Landscaping	·					<u> </u>							
)	2.57.1 Trees Plant	Each	₹	7.30	5.00	₹	36.50		$oldsymbol{ol}}}}}}}}}}}}}} $			$oldsymbol{ol}}}}}}}}}}}}}}}}$	
	2.57	2.57.2 Shrubs Plant	Each	₹	3.65	30.00	₹	109.50		T				
		2.57.3 Hedge Plant /Ground cover	Each	₹	2.45	10.00	₹	24.50						-
		Supplying and stacking of plants, shrubs	LS				₹	5,000.00		1	İ		₹	12,000.00
7	NS	and hedges		1			l `	-,-30.00					1	,_ 50.00
		Providing and fixing cast iron gate of size	ka	₹	100.00	63.30	1			+	ł		₹	6,330.00
	N.C		kg	`	100.00	05.30							`	0,550.00
		1400 mm X 2100 mm at the opening made	1	1									1	
8	NS	6 11 1											1	
8	NS	for the entrance gate								-			+	
		Providing and fixing round shape cast iron	kg	₹	100.00	113.80							₹	11,380.00
9	NS		kg	₹	100.00	113.80							₹	11,380.00

		Providing and fixing red sandstone signage	LS				T				1		₹	10,000.00
10	NS	plaque with letters carved out in the stone	1.5										`	10,000.00
10	INS	itself.												
		Providing and fixing 0.45 mm X 1450 mm											₹	10,000.00
11	NS	ACP panel with name signage printed in											`	10,000.00
		2D, with back lighting												
		Providing and drawing the following sizes									t			
		of FRLS PVC insulated copper conductor												
12	NS	single core cable as earth wire in existing												
		surface/ recessed steel PVC conduit as												
		required.												
		1.17.3 3 X 1.5 sq mm	metre	₹	95.00								₹	21,737.00
		Supplying and fixing of following sizes of												
		steel conduit along with accessories in												
13	NS	surface/recess including painting in case of												
		surface conuit, or cutting the wall and												
		making good the same in case of recessed												
		conduit as required.												
		1.21.2 25 mm	metre	₹	145.00								₹	12,288.00
		SUBTOTAL					₹	85,568.00					₹	143,968.81
			1				-						<u> </u>	
		TOTAL WORKS					₹	1,326,798.82		₹	694,116.27		₹	857,663.27
		INTACH FEES				10%	₹	175,137.44		₹	69,411.63		₹	85,766.33
		GST				18%	₹	31,524.74		<u>`</u>	12,494.09		₹	15,437.94
											,			==,
		GRAND TOTAL IN RS.					₹	1,958,036.62	3	₹	776,021.99		₹	958,867.54
							In w	ords - Rupees	Nine Lakhs Fift	y E	ight Thousand	l Eight Hundre	d an	d Sixty Seven
		First Installment of Funds Received					₹	585,200.00						
		Second Installment of Funds Received					₹	585,200.00						
		Final Installment of Funds to be received	_				₹	292,600.00						
		Total					₹	1,463,000.00						

