

**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**

**HEALTH DEPARTMENT OF BALUCHISTAN**

**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**

**ENGINEER'S ESTIMATE**

**SUMMARY OF COST**

<b>S.No</b>	<b>DESCRIPTION OF WORKS</b>	<b>TOTAL AMOUNT (RS)</b>
<b>1</b>	<b>REPAIR &amp; RENOVATION WORKS</b>	
i	CIVIL WORK	
ii	ELECTRIC REPAIR	
iii	PLUMBING REPAIR	
<b>2</b>	<b>PLANTERS, GARDEN &amp; PLAY AREA WORK</b>	
3	CONSTRUCTION OF PATHWAYS	
4	CONSTRUCTION OF BOUNDARY WALL	
5	CONSTRUCTION OF MAIN GATE (2 NO,S)	
6	LABORTARY	
7	PLANTERS & GRASS	
8	PARKING SHADE	
<b>TOTAL SCHEDULE ITEM</b>		
ADD 4% BRA		
<b>G.TOTAL</b>		

**Amount in Word:**

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**Sign & Stamp of Contractor**

**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
1	<b>Dismantling BRICK WORK</b>				
	Dismantling dry brick masonry in ground floor				
		750.00	Cft		
2	<b>REMOVING OF TILE</b>				
	Dismantling cement tiled/terrazzo floor in basement, plinth and ground floor including base mortar and staking salvaged material (serviceable) and disposing of surplus stuff as directed within 300 ft. (90 m.).				
		11,836.46	Sft		
3	<b>TILE</b>				
	Providing and laying <b>Vitrified/ Porcelain tiles</b> in floor with different sizes, Glazed or Matt, local or imported as directed by the Engineer-In-Charge, laid with 6mm thick layer of cement based high polymer modified quick set tile adhesive (water based) with a Base Price= Rs. 2250 per Sq.M. (It may be noted that reduction in the rate shall be made accordingly if the cost of purchase of tile is less than the base price).				
		12,100.46	Sft		
4	<b>MARBLE</b>				
	Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.e.				
		1137.00	CFT		
5	<b>FLOOR TILE</b>				

**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD  
ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
	Providing and laying 1-1/2" (38mm) thick cement tiles floor 16"x16" size with 1/2" (13mm) thick topping in white cement with pigment of required color shade and/or flowered pattern in ground floor over 1" (25mm) thick cement sand mortar 1:2 including setting the tiles with portland cement slurry, jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & the mortar cost.				
		2983.00	CFT		
6	<b>FALSE CEILING</b>				
	Providing and fixing Gypsum Board false ceiling of approved size and shape changed by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers and around columns, etc, complete in all respects as directed by the Engineer. 1/2"-3/4"(13 mm) thick 2' x 2' gypsum board				
		6,051.29	SFT		
7	<b>WINDWOS REPAIR</b>				
	Repairing of steel windows using welding machine and removing the old broken, damaged piece of metal sheet, angle iron, wire mesh, windows glass & painting red oxide paint with three coats of enamel paint including removing of dust, grease rubbing etc. as required & as per advice of engineer in charge.				
		510.00	CFT		
8	<b>WALL TILE WORK</b>				
	Providing and Fixing 3/4"(19mm) thick Sand Stone (Gadab Stone) on interior and exterior wall and cladding including with cement sand mortar 1:3 complete in all respects.				
		3856.00	SFT		
9	<b>DOOR SHUTTER</b>				

**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD  
ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
	Providing and fixing 1.5" (38 mm) thick pressed veneered <b>door shutters</b> fully flushed with First class wood veneering on all faces and sides fixed over partal wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved iron hinges, tower bolts as required.				
	Total	171.50	Stf		
10	<b>DOOR LOCK</b>				
	Providing and fixing <b>Hyundai Lock locks</b> with brass or specially supplied screws including Door Closers and Floor Hinges of approved design including cutting wood to required shape and size with two operating keys as per direction of the engineer - in- charge.				
	Total	14.00	EACH		
11	<b>WINDOWS , DOOR &amp; JOINARY WORKS</b>				
	Providing and fixing factory made uPVC fixed or openable glazed windows/ ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), , uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over all complete as per approved drawing & direction of Engineer-in-Charge. (Single panes and silicon sealant shall be paid separately).				

**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD  
ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
	Total	110.00	Stf		
12	<b>CURTAINS</b>				
	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. c) The fastening brackets of Aluminium/MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing.				
	<b>TOTAL QUANTITY</b>	123.00	SFT		
13	<b>RUBBER COATING</b>				
	Providing and Applying Rubber coating paint with water proofing agent including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)				
	<b>TOTAL QUANTITY</b>	9055.00	SFT		
14	<b>TOP SLAB</b>				

**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD  
ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
	Providing and laying <b>1:2:4</b> cement concrete using crush stone 19mm (3/4") and down gauge <b>in slab</b> up to 150mm 6" thickness including formwork and its removal compacting and curing in basement and ground floor.		.		
		57.09	CFT		
15	<b>STEEL REINFORCEMENT</b>				
	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height		.		
		0.29	Ton		
16	<b>SUPER STRUCTURE BRICK WORK</b>				
	<b>Providing and laying first class solid burnt brick masonry 1:4 cm using Brick Strength: 1800 Psi- 2000 psi )</b> including scaffolding, raking out joints and curing in ground floor <b>superstructure</b> and i/c cost of testing. Above 4.5" (115 mm) nominal thick brick work		.		
		183.75	CFT		
17	<b>1/2 inch (13mm)</b> thick cement plaster using Coarse Sand 1:4 cement mortar ratio <b>on external walls</b> and olumns in basement, plinth and ground floor including making edges, corners with deep cut groves and curing.				
		591.25	Sft		
	<b>ALKA BOUND</b>				
18	Supplying and Installation of <b>Alka bond</b> 4mm including with all accessories with approved design.				
		3926.25	SFT		

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ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
19	Providing and Applying wall art painting work including environmental lettering including the cost of priming coat including preparation of surface dusting etc All complete as per specification as directed by the Engineer .				
		75.00	job		
20	Providing, and fixing of Fiber glass sheet sign board made with 5mm fiber glass sheet including Writing & painting Nams & health care massages including cast of any type of fixing metrial as requird.				
		144.38	job		
	<b>SCRAPING</b>				
21	Scraping, rubbing and cleaning emulsion finish distemper, snowcem and paints of all sort from walls and ceiling including removal of rubbish in all floors.				
		14313.73	SFT		
	<b>MATE FINISH ( INTERNAL)</b>				
22	Painting old surface in ground floor or basement with ICI/Berger or equivalent plastic emulsion paint as per manufacturer's instructions on plastered, rendered and concrete surface including cleaning and sand papering the surface.				
		10621.73	SFT		
	<b>WEATHER SHIELD (EXTERNAL)</b>				
23	Applying weather resistant paint coating such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.				
		3074.00	SFT		
	<b>PAINTING WINDOWS &amp; DOOR</b>				

**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD  
ENGINEER'S ESTIMATE**

S.#	Description	QTY:	UNIT	Rate	Amount
24	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)				
		1551.50	SFT		
25	Filling watering and ramming earth under floor with new earth from out side lift up to 1.5m ( including excavation)				
	<b>TOTAL QUANTITY</b>	66924.00	CFT		
	<b>SUB STRUCTURE WORK</b>				
26	Clearing the Site / jungle by cutting removing ,all shrubs ,trees and taking out entire roots and filling the hollows with earth dressing consolidation and watering the filling including stacking the serviceable material and disposal of unserviceable material lead up to 300 meters.				
	<b>TOTAL QUANTITY</b>	15472.00	SFT		
<b>TOTAL</b>					



**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**  
**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**ELECTRICAL REPAIR WORKS**

S. No	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
1	Light circuit concealed / open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. ( Concealed wiring with 3/4" 20 (mm ) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. )				
		76	Point		
2	Concealed / open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables, ( Concealed wiring with 3/4" 20 (mm ) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. )				
		58	Point		
3	Concealed/open wiring from point to point with length upto 10 ft. (3m) Sq.mm PVC insulated single core copper conductor with 3x1.5 Pakistan Cables, Pioneer, Newage or approved equivalent cables.				
		39	Point		
4	DC Cable 2.5mm <sup>2</sup> Single Core - Stranded and flexible insulated copper DC wires and cables must be used for all outdoor and indoor installations. - voltage drop must not exceed 1% on DC side of the power inverter and 1.5% on AC side of the power inverter. - The wiring that leads into the pole, protected in a PVC Spiral / Flexible conduit. - External cables adapted to outdoor exposure as per IEC 60811. - The outer insulation: sunlight (UV)-resistant and weather-proof. Supply, Install, connect, test and				
		543	R.ft.		
5	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.				
		120	No.		

# RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD

## ENGINEER'S ESTIMATE

### ELECTRICAL REPAIR WORKS

S. No	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
6	Supply and install 3-gang, 5 Amp, 250 Volt, plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.				
		132	No.		
7	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.				
		81	No.		
8	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
		376	R.ft.		
9	Supply and install 6 sq.mm PVC insulated single core 600/1000V cable with copper conductor in already concealed PVC conduit. (2x 6sqmm +1mm as Ecc for AC Points.)				
		520	R.ft.		
10	<b>Supply and install LED Panel Lights</b> including installation				
		121	No.		
11	Supply, install, connect Ceiling Fan energy efficient model as approved and rated 3- Star by NEECA with power consumption of less than 80 W+10%				
		58	No.		
12	<b>Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color back box comprising one incoming MCCB-TP/60A and outgoing 9 single phase MCB of various capacity having overload &amp; short circuit protection and of 6KA breaking capacity complete with internal wiring earthing, neutral link, termination blocks, phase indicating lights along with 500V voltmeter.</b>				

# RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD

## ENGINEER'S ESTIMATE

### ELECTRICAL REPAIR WORKS

S. No	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
		3.00	Each		
13	Supply and install Extra for installing each number circuit breaker 6Ampere on same distribution board and bus bar (For outgoing).				
		8	No.		
	<b>STREET LIGHT</b>				
14	Supplying Poles of approved make including the cost of specials MS Tabular pole 31 FT Length with 20ft (6" dia) x 5.5ft (5" dia) x 5.5ft (4" dia) 1 8 SWG thick with base plate 1.8"x1.8"x¾ with 4 no's holes.				
		8	No.		
15	Supplying and fixing of approved make pole arms including the cost of specials.a) G.I. single arm bracket 5' long 2" dia. Standard with paint				
		8	No.		
16	Providing & fixing Solar street light 120watt ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer.				
		8	No.		
<b>TOTAL</b>					

**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**PLUMBING REPAIR WORKS**

S.#	Description	QTY:	UNIT	Rate	Amount
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)( Shingle or gravel )				
	<b>TOTAL QUANTITY</b>	600.00	CFT		
2	Providing and Installing <b>uPVC blind pipe</b> of approved make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing, testing and disinfecting uPVC pipe lines in trenches. ( <b>6" (150 mm) inner dia</b> )				
	GROUND FLOOR	150	RFT		
3	Providing and Installing <b>uPVC blind pipe</b> of approved make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing, testing and disinfecting uPVC pipe lines in trenches. ( <b>4" (100 mm) inner dia</b> )				
	GROUND FLOOR	80	RFT		
4	<b>Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved</b> equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	GROUND FLOOR	4	Nos		
5	Providing, laying, cutting, jointing, testing and disinfecting <b>PPRC (3/4) 20mm dia pipes</b> confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material				

**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**PLUMBING REPAIR WORKS**

S.#	Description	QTY:	UNIT	Rate	Amount
	GROUND FLOOR	100	RFT		
6	Providing, laying, cutting, jointing, testing and disinfecting <b>PPRC pipe 25mm (1")</b> i/dia pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material				
	GROUND FLOOR	60	RFT		
7	Providing and fixing <b>chromimum plated bib cock 20mm (.75")</b> of superior quality of approved make				
	GROUND FLOOR	4	No		
8	Providing and fixing LDPE <b>300 gallons capacity</b> overhead tank manufactured by Dura or equivalent on top of any floor				
	TOP FLOOR	1	No		
<b>TOTAL</b>					

**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**CONSTRUCTION OF PATH WAY**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>Excavation</b>				
1	<b>Excavation in foundation of</b> buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)		.		
		241.50	CFT		
2	<b>Providing and laying hand mixed 1 : 4 : 8 cement concrete bed under floors</b> using graded Crushed Aggregate upto 1-1/2" (37 mm) and down gauge complete with leveling, ramming, watering and curing.				
		1132.80	Cft		
	<b>CONCRETE PAVER</b>				
3	<b>Supply and Fixing of Concrete pavers on sand cushion of different designs having 60mm thick Cloured tuff tile</b> mechanically compressed, minimum strenght of 4500 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer inchange comple in all respects.				
		5080.00	sft		
	<b>KERB STONE</b>				
4	<b>Providing and laying road kerb of 1:3:6 precast cement concrete 24"x6"x12" (600mm x150mm x300mm)</b> using crushed aggregate, formwork and its removal, compacting and curing laid in cement mortar 1:4 & cement plaster 1:4 neatly finished including cost of excavation, backfilling of excavated stuff & its disposal within 30m				
		604.00	Rm		
<b>TOTAL CIVIL WORK</b>					

**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**CONSTRUCTION OF BOUNDARY WALL**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>Excavation</b>				
1	<b>Excavation in foundation of</b> buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)				
		1473.00	CFT		
	<b>Plain and Reinforced Concrete</b>				
2	Providing and laying cement concrete <b>1:4:8</b> (1 cement 4 sand 8 crush) using crushed stone 19mm (3/4") and down gauge <b>in foundation</b> including leveling compacting and curing				
		148.50	CFT		
	<b>Steel Reinforcement</b>				
3	<b>Providing and fabricating and laying Tor steel grade 60</b> having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of building wire and precast 1:2:4 cement concrete spacer block or MS chairs for binding and holding the reinforcement in position is inclusive up to 5m (14.6 ft)				
		3.63	TON		
	<b>Foundation Footing</b>				
4	Providing and laying in situ cement concrete ( <b>1;2;4 cement sand &amp; crush</b> ) using approved coarse sand and crushed aggregate having maximum size upto 3/4" (19mm) and down gauge <b>in foundation</b> including formwork using wooden braces and without wall ties, compaction, curing and removal of formwork				
		435.50	CFT		

**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**

**ENGINEER'S ESTIMATE**

**CONSTRUCTION OF BOUNDARY WALL**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>Column</b>				
5	<b>Providing and laying in situ cement concrete 1 : 2 : 4</b> cement concrete using crush stone using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in <b>pillars and columns</b> of any shape in foundation including compacting, curing, cost of form-work & its removal in basement and ground floor.				
		210.53	CFT		
	<b>Foundation Brick work</b>				
6	<b>Providing and laying first class solid burnt brick masonry 1:4 CM</b> (Brick Strength :1800 psi- 2000 psi) including scaffolding, raking out joints and curing in <b>foundation</b> and substructure /Basement i/c cost of testing. Above 4.5" thick				
		483.31	Cft		
	<b>Superstructure Brick Work</b>				
7	Providing and laying <b>first class perforated brick masonry</b> in walls including scaffolding, raking out joints and curing in ground floor superstructure.				
		1980.00	CFT		
	<b>Plain and Reinforced Concrete</b>				
8	<b>Providing and laying 1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in precast shelves coping, cornices, eave boards, hood, fencing posts and manhole covers etc. including formwork & its removal, compacting and curing in ground floor.				
		75.94	CFT		
	<b>Surface Rendering</b>				
9	<b>1/2 inch (13mm)</b> thick cement plaster using Coarse Sand 1:4 cement mortar ratio <b>on external walls</b> and olumns in basement, plinth and ground floor including making edges, corners with deep cut groves and curing.				



**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**

**ENGINEER'S ESTIMATE**

**CONSTRUCTION OF BOUNDARY WALL**

S.#	Description	QTY:	UNIT	Rate	Amount
		5152.00	SFT		
	<b>WALL TILE WORK</b>				
1	<b>Providing and Fixing 3/4"(19mm) thick Sand Stone (Gadab Stone)</b> on interior and exterior wall and cladding including with cement sand mortar 1:3 complete in all respects.				
	<b>Total</b>	1218.00	Sft		
10	Applying <b>weather resistant paint</b> coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying <b>all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10</b>				
		6832.00	SFT		
<b>TOTAL CIVIL WORK</b>					

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**HEALTH DEPARMENT OF BALUCHISTAN**  
**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**MAIN GATE**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>Excavation</b>		.		
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)				
		48.00	CFT		
2	Providing and laying plain hand mixed cement concrete 1:4:8 cement using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.				
		4.00	CFT		
3	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft (5m) height		.		
		0.14	Ton		
4	Providing and laying 1 : 2 : 4 in situ cement concrete using approved coarse sand and crushed aggregate having maximum size upto 3/4" (19mm) and down gauge in foundation including formwork using wooden braces and without wall ties, compaction, curing and removal of formwork.				
		16.00	CFT		

**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**MAIN GATE**

S.#	Description	QTY:	UNIT	Rate	Amount
5	Providing and laying in situ cement concrete 1 : 2 : 4 cement concrete using crush stone using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in foundation including compacting, curing, cost of form-work & its removal in basement and ground floor.		.		
		23.75	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.		.		
		3.38	CFT		
7	Filling, watering and compacting earth under floors in layers not exceeding 8 inchs in thickness With new earth excavated from outside, lead upto 100 ft. (30m) and lift upto 5 ft. (1.5m) including royalty of Clay		.		
		27.50	SFT		
8	Providing and laying first class solid burnt brick masonry 1:4 cm using Brick Strength:1800 Psi-2000 psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing. Above 4.5" (115 mm) nominal thick brick work				
		36.00	CFT		

**HEALTH DEPARMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**MAIN GATE**

S.#	Description	QTY:	UNIT	Rate	Amount
9	19mm (3/4") thick cement plaster 1:4 cement mortor ratio on Internal wall and coloumns in basment plinth and ground floor including making edges cornor and curing.				
		105.00	Sft		
10	Providing and fixing hot dipped Galvanised double leaf door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.				
		264.00	KG		
11	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)				
		176.00	Sft		
12	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10				
		105.00	Sft		
	<b>GRAND TOTAL ONE NO</b>				
	<b>GRAND TOTAL TWO NO (x2)</b>				

**Integrated Flood Resilience And Adaptation Project IFRAP Component-1**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**LABORTARY**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>Plain and Reinforced Concrete</b>				
1	Providing and laying cement concrete <b>1:4:8</b> (1 cement 4 sand 8 crush) using crushed stone 19mm (3/4") and down gauge <b>in foundation</b> including leveling compacting and curing		.		
		34.00	CFT		
	<b>SUPER STRUCTER WORKS</b>				
2	<b>Providing and laying first class solid burnt brick masonry 1:4 cm using Brick Strength: 1800 Psi-2000 psi )</b> including scaffolding, raking out joints and curing in ground floor <b>superstructure</b> and i/c cost of testing. Above 4.5" (115 mm) nominal thick brick work		.		
		52.50	CFT		
	<b>Surface Rendering</b>				
3	19mm (3/4") thick cement plaster 1:4 cement mortor ratio on Internal wall and coloumns in basment plinth and ground floor including making edges cornor and curing.		.		
		240.00	SFT		
	<b>CEMENT CONCRETE 1:2:4</b>				
4	Providing and laying <b>1:2:4</b> cement concrete using crush stone 19mm (3/4") and down gauge <b>in slab</b> up to 150mm 6" thickness including formwork and its removal compacting and curing in basement and ground floor.				
		34.00	Cft		

**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**LABORTARY**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>STEEL REINFORCEMENT</b>				
5	Providing and fabricating and laying Tor steel grade 60 having yield strength equal to <b>60000 psi reinforcement</b> for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of building wire and precast 1:2:4 cement concrete spacer block or MS chairs for binding and holding the reinforcement in position is inclusive up to 5m (14.6 ft)				
		0.19	Kg		
	<b>MARBLE</b>				
6	Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
		136.00	Sft		
7	Providing and fixing wooden box type ward robe using laminated board 3/4" ( 19mm ) thick boxing shelve and back with 3.4" thick deodar wood vaneer board. 550mm ( 22" ) deep including 19mm (3/4") thick boxing and shelves hang rods , hard board masonite 4.8mm (3/16") thick back, drawers, brass fitting ,locking arrangement handles, internal bolts, shoe rods including painting				

**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**LABORTARY**

S.#	Description	QTY:	UNIT	Rate	Amount
	<b>TOTAL QUANTITY</b>	181.98	SFT		
8	Providing and fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material.Stainless steel sink 33" x 18" (825 mm x 450 mm)				
	<b>TOTAL QUANTITY</b>	4.00	Each		
	<b>GRAND TOTAL</b>				

**BALUCHSTAN HUMAN CAPITAL INVESTMENT PROJECT (BHCIP).**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**PLANTERS, GARDEN & PLAY AREA WORK**

S.#	Description	QTY:	UNIT	Rate	Amount
1	<b>Excavation in foundation</b> of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)( Shingle or gravel )				
	Total	69.38	Cft		
2	<b>Providing and laying cement concrete 1:4:8</b> (1 cement 4 sand 8 crush) using crushed stone 19mm (3/4") and down gauge in foundation including leveling compacting and curing				
	Total	34.69	Cft		
	<b>BRICK WORK</b>				
3	<b>Providing and laying first class solid burnt brick masonry 1:4 cm</b> using Brick Strength: 1800 Psi- 2000 psi ) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing. <b>Up to 4.5" (115 mm) nominal thick</b>				
	Total	208.13	Cft		
	<b>PLASTER WORK</b>				
4	<b>1/2 inch (13mm) thick cement plaster using Coarse Sand 1:4 cement mortar ratio</b> on external walls and olumns in basement, plinth and ground floor including making edges, corners with deep cut groves and curing.				
	Total	555.00	Sft		
	<b>EARTH WORK</b>				
5	Filling watering and ramming earth under floor with new earth from out side lift up to 1.5m ( including excavation)				
	Total	92.50	Cft		
	<b>FLOORING WORK</b>				
6	<b>Providing and laying hand mixed 1 : 4 : 8 cement concrete bed under floors</b> using graded Crushed Aggregate upto 1-1/2" (37 mm) and down gauge complete with leveling, ramming, watering and curing.				
	Total	1093.76	Cft		
	<b>WEATHER SHIELD (EXTERNAL)</b>				



**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**PLANTERS, GARDEN & PLAY AREA WORK**

S.#	Description	QTY:	UNIT	Rate	Amount
7	Applying weather resistant paint coating such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris. Three coats (@ atleast 1.75 Litre per 10 Sq.m)				
		555.00	SFT		
	<b>sweet earth</b>				
8	Supplying and stacking approved garden soil (sweet earth) free from salts, pebbles and grass roots including all leads and lifts.		.		
		1500.00	Sft		
	<b>GRASS</b>				
9	Supplying and fixing of approved quality live local grass in shape of grass mats		.		
		3540.00	SFT		
	<b>PLANTATION</b>				
10	Supplying and stacking and Installing of Plantation (Local plants) approved soil (sweet earth) free from salts, digging of hole including all leads and lifts.		.		
		267.00	NO		
11	Supplying and stacking and Installing of Plantation (Fruit plants) approved soil (sweet earth) free from salts, digging of hole including all leads and lifts.		.		
		365.00	NO		
12	Supplying and Planting palm trees approved quality including the cost of pit & refilling with sweet soil with 20% cowdunk..		.		
		25.00	NO		
	<b>WASTE BIN</b>				
13	Supply and Providing of Plastic moveable Waste bins with cover in different colours and sizes.		.		
		125.00	No		
<b>TOTAL</b>					

**BALUCHSTAN HUMAN CAPITAL INVESTMENT PROJECT (BHCIP).**  
**HEALTH DEPARTMENT OF BALUCHISTAN**  
**RENOVATION OF RENOVATION OF RHC MANJHOO SHORI AT DISTRICT NASEERABAD**  
**ENGINEER'S ESTIMATE**  
**CONSTRUCTION OF FIBER GLASS SHED**

**CIVIL WORKS**

**ABSTRACT OF COST**

S. No	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
1	<b>Excavation in foundation of</b> buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)( Shingle or gravel )				
	GROUND FLOOR	35.44	CFT		
2	<b>Providing and laying plain hand mixed cement concrete 1:4:8 cement</b> using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.				
	GROUND FLOOR	3.94	CFT		
3	<b>Providing and laying 1 : 2 : 4 in situ cement concrete</b> using approved coarse sand and crushed aggregate having maximum size upto 3/4" (19mm) and down gauge in foundation including formwork using wooden braces and without wall ties, compaction, curing and removal of formwork.				
	GROUND FLOOR	14.00	CFT		
4	<b>Filling,</b> watering and compacting earth under floors in layers not exceeding 8 inches in thickness With new earth excavated from outside, lead upto 100 ft. (30m) and lift upto 5 ft. (1.5m) including royalty of Clay				
	GROUND FLOOR	1012.50	CFT		
5	<b>Providing and fixing fiber glass sheet with G.I.</b> bolts, nuts, limpets , bitumen washers, MS pipe 1x1" square hollow pipe frame for main and 1/2"x1/2" square bar Ms hollow pipe for supports fixing with hoisting and erecting in position in steel trusses, frames and towers of any approved design. in ground floor.				
	GROUND FLOOR	675.00	SFT		

S. No	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
6	<b>Providing and fixing M.S. Tees, angles and flat including riveting,</b> fixing with gusset plates, bolts, hoisting and erecting in position in steel trusses, frames and towers of any approved design.				
	GROUND FLOOR	8.04	KG		
7	<b>Providing, laying, cutting, jointing, testing and disinfecting 2.5" DIA G.I. pipe</b> ILL make or equivalent gas line including the cost of jointing material.				
	GROUND FLOOR	112.00	Rft		
8	<b>Providing and laying road kerb of precast cement concrete 24"x6"x12"</b> (600mm x150mm x300mm) Road kerb of precast cement concrete 1:2:4 using crushed aggregate, formwork and its removal, compacting and curing laid in cement mortar 1:4 & cement plaster 1:4 neatly finished including cost of excavation, backfilling of excavated stuff & its disposal within 30m				
	GROUND FLOOR	45.00	RFT		
9	<b>Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm,</b> mechanically compressed, minimum strenght of 4500 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer inchange comple in all respects. (No PCC work is premitted underneath this item of work).				
	GROUND FLOOR	675.00	SFT		
10	<b>Painting with ICI/Berger or equivalent super gloss synthetic</b> enamel paint in two or more coats as per manufacturer's instructions on <b>steel and iron</b> work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)				
	GROUND FLOOR	518.00	SFT		
<b>TOTAL RS</b>					