

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH II, ALIPUR,
SHUJABAD & TAUNSA(PHASE-I)**

COST SUMMARY OF 3 TEHSIL'S

Bill No.	Description	TAUNSA	ALIPUR	SHUJABAD	TOTAL RS
		JHOK BHUTTA	LANGAR WAH & SUNDER	GHARABI	
		Amount (Rs.)	Amount (Rs.)	Amount (Rs.)	
1	WATER SUPPLY SYSTEM				
1.1	Tube Well Installation				
1.2	Tube Well Chamber				
1.3	Over Head Water Tank OHR (10,000 Gallons)				
1.4	Distribution Network				
1.5	Electrification for Water Supply (Electrical)				
1.6	Stand Post with Storage Tanks				
1.7	Precast Boundary Wall for Water Supply				
2	SEWERAGE SYSTEM				
2.1	Cover Drains (with RPC)				
2.2	Septic Tank				
3	ESMP COST				
4	Brick Soling				
5	Soakage Pit				
6	Employee's & Engineer Facilities				
	TOTAL COST (Rs.)				
	ADD @ 5% PRA CHARGES (Rs.)				
	GRAND TOTAL COST (Rs.)				

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP),
Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

ABSTRACT OF COST

Bill No.	Description	Amount (Rs.)
1	WATER SUPPLY SYSTEM	
1.1	Tube Well Installation	
1.2	Tube Well Chamber	
1.3	Distribution Network	
1.4	Electrification for Water Supply (Electrical)	
1.5	Stand Post with Storage Tanks	
2	SEWERAGE SYSTEM	
2.1	Covered Drains	
2.2	Septic Tank	
3	ESMP COST	
4	Brick Soling	
5	Soakage Pit	
6	Employer/Engineer's Facilities	
TOTAL COST (Rs.)		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Bill No.1.1		Tube Well Installation				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	23/2a(ii)	Direct Rotary/Reverse Rotary drilling of bore for tubewells in all types of soil except shingle, gravel and rock:-				
		a) from ground level to 250 ft. (75 m) below ground level:-				
		15" to 18" (375 to 450 mm) i/d	Per Rft	500.00		
2	23/2b(ii)	Direct Rotary/Reverse Rotary drilling of bore for tubewells in all types of soil except shingle, gravel and rock:-				
		b) exceeding 250 ft. (75 m) depth below ground level:-				
		15" to 18" (375 to 450 mm) i/d	Per Rft	400.00		
3	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100 Cft	0.45		
4	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) House Pipe of specified Tubewell borehole i/c the cost of male/ female coupling with Nylone Strip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer				
		(FRP Housing pipe)				
		v) 8" dia (5mm thickness)	Per Rft	200.00		
5	23/9(iv)	Providing and installing Fiberglass Reinforced Polypropelene (FRP) strainer of specifid wall thickness having slot size of 0.9 mm to 1.10 mm in Tubewell borehole i/c the cost of male/female coupling with Nylone Strip, studs complete in all respect as approved and directed by the Engineer Incharge.				
		iv) 6" inch dia (5 mm thickness)	Per Rft	50.00		
6	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) Blind Pipe of specified Tubewell borehole i/c the cost of male/ female coupling with Nylone Strip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		iv) 6" inch dia (5 mm thickness)	Per Rft	190.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Bill No.1.1		Tube Well Installation				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) bail plug of specified Tubewell borehole/c thecost of male/femalecoupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		iv) 6"dia (5mm thickness)	Rft	10.00		
8	23/4	Providing strong substantially built box of deodar wood 4'x2½'x9" (1200x750x225 mm), with compartments, lock and locking arrangement, for preserving samples of strata from bore hole.	Job for complete bore	1.00		
9	23/13	Providing and installing PVC gravel makeup pipe 3" dia class 'B' in tube well bore hole for gravel feeding including sockets, solvents and jointing etc complete in all respect.	Rft	50.00		
10	23/17	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3 mm), around tubewell in bore hole.	Per Cft	537.05		
11	23/5	Furnishing sample of water from borehole per set of two bottels.	Each	1.00		
12	23/16 (i)	Testing and developing of tubewell of size 6" (150 mm) i/d and above continuously. i) upto 1.5 cs. Discharge	Per Hour	156.00		
13	23/19	Providing and installing M.S. blind pipe socketed/welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer, etc. complete:				
		c) 4" i/d, 1/8" (100 mm i/d 3 mm) thick	Per Rft	150.00		
14	N/S	Geophysical logging of bore (self potential resistivity Both short normal and Gama) complete in all respect.	P/Job	1.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Bill No.1.1		Tube Well Installation				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
15	N.S	Providing & mixing bentonite clay / powder have swelling factor of 1200% for lining /seal and plug earthen bore holes / ponds in the specified ratio conforming to IS:6186 for stabilization of soil as specified by the designer etc complete in all respect.				
			Each	2.00		
16	N/S	Chemical, Physical and Arsenic Analysis of water from approved Water Testing Lab.	Each	1.00		
17	N/S	Providing / fixing M.S Centralizer.	Each	4.00		
18	N/S	Supply, install, testing and commissioning of submersible pump set 0.25 cfs capacity, 200ft. pumping setting depth, Bowl Assembly Head 200 feet, 6 stages, 10 HP/2pole submersible motor, 2900 RPM, Submersible cable size 3" (4Halves) , Motor Control Unit consisting of MCCB, Over/Under voltage relay, Phase reversal relay, volt meter, Ampere meter, indicating lights for all above relays, on/Off Push Buttons, All contained in a locable Cabinet complete in all respect. (including NR Valve, Sluice Valve and Air valve Pressure Gauge)	Job	1.00		
19	N/S	Providing, fixing, commissioning & testing of Hypo Chlorinator consisting of multifunction dosing pump with a microcontroller (RX controller) complying to EU directives 2006/95/EC and 2004/108/EC, having capacity of 5 Liter/hour and maximum pressure of 10 bar, having standard power supply of 230V A.C \pm 10%, 50 Hz single phase, Insulation protection rating of IP65, complete with all accessories like injection valve, suction hose, discharge hose, valves, RX probe, level switch, dosing tank to be installed with tubewells complete in all respect.	Job	1.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Bill No.1.1		Tube Well Installation				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
20	N/S	Providing and fixing of Flow meter Line Size: 6", DN150 Flanged, RF ANSI 150# Flow range: 32 ~ 320 m³/h Liner Material: PTFE Electrode Material: 316L Stainless Steel Body Material: Carbon Steel Power Supply: 220 VAC Output: 4 ~ 20mA Protection Class: IP68 complete as per drawing and/or directed by the Engineer complete in all respect	Each	1.00		
					Total Rs.	
					Required No's	1
					Grand Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m)					
		1) By Manual					
		ii) in ordinary soil.	1000 Cft.	748.25			
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):					
		(f) Ratio 1: 2: 4	100 Cft	35.00			
		(i) Ratio 1: 4: 8	100 Cft	170.00			
3	7/4	Pacca brick work in foundation and plinth in: i) Cement, sand mortar Ratio 1:3	100 cft	359.00			
4	6/37	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating:					
		b) with 2 coats of bitumen:					
		i) 1½" thick (40 mm)	100 Sft	84.00			
5	7/5	Pacca brick work in ground floor (super structure) i). Cement, sand mortar Ratio 1:4	100 Cft	610.00			
6	6/39	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (b) with 2 coats of bitumen:-					
		ii) Ratio 1:3					
		b) ¾ " thick (20mm)	100 Sft	68.00			
7	10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft	263.00			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
8	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-					
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-					
		(3) Type C (nominal mix 1: 2: 4)	Per Cft	208.58			
9	6/12 c	Providing and fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labor charges for binding of steel reinforcement (also includes removal of rust from bars), Deformed bars (Grade 60)	100 Kg	757.10			
10	11/9	Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght:- b) ratio 1:3	100 Sft	1,118.60			
11	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	100 Sft	1,114.53			
12	11/12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height b) 1:3	100 Sft	198.75			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
13	10-22	Providing & Laying mosaic flooring consisting of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips,laid over 1"(25 mm) thick flooring of 1:2:4 cement concrete including rubbing and polishing complete with finishing :- b) 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13mm) mosaic topping (ii) using white cement	100 Sft	25.00			
14	10-35	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (b) using white cement : ii) ½"(13 mm) thick	100 Sft	63.00			
15	10/43	Providing and laying Tuff Pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) a) 50-mm thick	Sft	93.45			
16	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs.per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	100 Sft	226.63			
17	13/33	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) new surface: i) 1st coat ii) 2nd coat	100 Sft 100 Sft	86.73 86.73			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
18	11/26	White washing a) new surface:- iii) three coats	100 Sft	930.32			
19	25/62	P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge.					
		(ii) Double Leaf	Per Sft	43.00			
20	12/15	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	Per Sft	43.00			
21	25/41	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in charge:- b) fixed with wire gauze, 22 SWG v) glass pane 5 mm thick	Per Sft	54.25			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
22	25/58	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	Per Sft	54.25			
23	25/10+ 11	Fabrication & Erection of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position. (Top Cover, Base Plate & Girder)	100 Kg	221.52			
24	23-52	Providing and fixing Chain Pulley Block of 5 ton capacity with 5 meter length of chain, as per required specifications complete in all respect and as approved by the Engineer Incharge.	Each	1.00			
25	13/5 c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- (Chowkath Only) a) Priming coat	100 Sft	43.00			
		b) Two Coats	100 Sft	43.00			
26	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	2.00			
27	9/16	Bottom Khuras of brick masonry in cement mortar 1:6, 4' x 2' x 4.5" over 3" cement concrete 1:4:8	Each	2.00			
28	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer	Rft	25.00			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
29	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items) (Form Sargodha Quarry)	100 Cft.	390.12			
		Plumbing Items					
30	19-16	Providing and fixing, chromium plated soap dish.	Each	1.0			
31	19-5	Providing and fitting white glazed earthen ware water closet squaratter type, with separate foot rest.	Each	1.0			
32	19-7	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc					
		i) white, with pedestal	Each	1.0			
33	19-30	Providing and fitting, chromium plated or brass oxidised, swan neck cock 15 mm (½") dia. i) single way	Each	1.0			
34	19/23	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.					
		i) Plastic soap dish	Each	1.0			
		vi) Looking glass with plastic frame	Each	1.0			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
35	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal or approved equivalent manufacturer, comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.					
		(i) 3 No Tee Stop Cock (set)	Each	1.0			
		(vi) Waste Coupling	Each	1.0			
36	19/27	Providing and fixing chromium plated	Each	3.0			
37	19/49	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of Dadex /Popular/Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.					
		c) Vent Cowel					
		(iii) 2" dia	Each	1.0			
		d) Clean Out					
		(ii) 3" dia	Each	1.0			
		PIPING & VALVES					
38	23-33	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/Beta or approved equivalent manufacturer, with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).					
		b) PN-20 pipe					
		ii) 25 mm	Rft	100.0			

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Tube Well Chamber

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)	Remarks
39	23/38	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.					
		iii) 1" dia	Each	1.0			
40	19/47	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specifications and / or as approved and directed by the Engineer Incharge (iv) 82mm					
		(iv) 82mm	Rft	50.0			
41	19-34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-					
		(ii) 10x7.5 cm (4"x3")	Each	2.0			
42	19-51	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer	Per Gallon	100.0			
Total Rs.							
Required No's						1.00	
Grand Total Rs.							

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Distribution Network

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	4/19	Dismantling				
		Dismantling cement concrete with brick aggregate	100Cft	60.00		
2	4/46	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre).	100Cft	45.60		
3	4/29	Dismantling brick or flagged flooring without concrete foundation.	100Sft	15.46		
4	3/46	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	1000Cft	63.78		
5	23/30	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ IIL or equivalent including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.				
		a) PN-6 (SDR-26)				
		3" (90mm) o/d	Rft.	9,394.00		
		4" (110mm) o/d	Rft.	251.00		
		a) PN-8 (SDR-26)				
		6" (150mm) o/d	Rft.	120.00		
6	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate). (Provisional Qty)				
		(f) Nominal Ratio 1: 2: 4	100Cft	15.00		
		Restoration				
	21/8	Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling.	100Sft	120.31		
	21/10	Restoration of metalled road, on laid service line, including compaction:				
		a) Carpetted road, with 2" (50 mm) carpet and 10" (250 mm) depth of stone metal for sub-base and base.	100Sft	90.00		

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JHOK BHUTTA, TEHSIL TAUNSA

Distribution Network

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		Valve Chambers				
7	4/45	Dismantling and removing road metalling.	100 Cft	0.47		
8	4/46	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead 30 metre). (Base, Sub Base, soling and tuff Paver etc.)	100 Cft	4.74		
9	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft	2.47		
10	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(i) Ratio 1: 4: 8	100 Cft	1.88		
		(f) Ratio 1: 2: 4	100 Cft	3.28		
11	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(3) Type C (nominal mix 1: 2: 4)	Cft	87.21		

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JHOK BHUTTA, TEHSIL TAUNSA

Distribution Network

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
12	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor (crushed stone aggregate and bajri used in concrete items) Lead From nearest quarry (250km)	100 Cft	5.39		
13	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	4.75		
14	7/7	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:3	100 Cft	6.74		
15	11/8	Cement plaster 1:3 upto 20' (6.0 m) height:- b) 1/2"(13mm) thick	100 Sft	17.97		
16	21/16	RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum)	Per set	15.00		
17	23/35	Providing and fixing sluice valve of B.S.S. quality and weight, Class `B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):- 3 "(90mm) o/d 4 "(110mm) o/d 6 "(150mm) o/d	No. No. No.	8.00 3.00 8.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Distribution Network

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
18	23/37	Providing and fixing, air valve 2½" (65mm) dia of B.S.S. quality and weight (complete with jointing material). b) double	Each	1.00		
19	N/S	Providing & installation of GI water supply house connection pipe including 15mm (1/2") HDPE pipe from distribution line to plinth level, 1/2" inner dia GI pipe 4 ft height from plinth level of building, GI saddle clamp, brass ferrule double action complete in all respects also Water Meter (Dry Dial). It including (1/2") saddle clamp 110mmx 1/2" brass ferrule 1/2", HDPE pipe connector for ferrule valve joint, 15mm x 1/2" nipple, 15mm female elbow, 15mm x 1/2" GI pipe (4ft & 1ft). it also it also includes carriage, loading and unloading complete in all respect as per drawings, specifications and as directed by the Engineer.				
			No.	370.00		
					Total Rs.	

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Electrification for Water Supply (Electrical)			Detailed Estimate			
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	24/3 (a-iii)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries iii) 25 mm i/d	Rft.	150.00		
2	24/3 (a-ii)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries iii) 20 mm i/d	Rft.	100.00		
3	24/3 (a-vi)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries vi) 50 mm i/d	Rft.	50.00		
4	24/3 (a-viii)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries viii) 100 mm i/d	Rft.	100.00		
5	24/8 (a-i)	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")	Rft.	900.00		
6	24/8 (a-iii)	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: iii) 7/0.74 mm (7/0.029")	Rft.	900.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Electrification for Water Supply (Electrical)				Detailed Estimate		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7	24/8 (a-iv)	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: iv) 7/0.91 mm (7/0.036")	Rft.	300.00		
8	24/11 (c-viii)	Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- c) Four core, 600/1000 volt non armoured cable:- viii) 25 mm (19/0.052")	Rft.	100.00		
9	24/10 (iv)	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaidd G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/ trenches, etc (rate for cable only):- iv) 16 mm sq (7/0.064")	Rft.	200.00		
10	24/10 (iii)	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaidd G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/ trenches, etc (rate for cable only):- iii) 10 mm sq (7/0.052")	Rft.	60.00		
11	24/105 (b-i)	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches/ sockets/ dimmer made of Legrand/ ABB/ Schenider or approved equivalent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge b) One way Gange Switch (Large) (i) 04 Gange	Each	1.00		
12	24/105 (b-iii)	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches/ sockets/ dimmer made of Legrand/ ABB/ Schenider or approved equivalent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge b) One way Gange Switch (Large) (iii) 06 Gange	Each	1.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Electrification for Water Supply (Electrical)			Detailed Estimate			
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
13	24/105 (a-i)	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches/ sockets/ dimmer made of Legrand/ ABB/ Schenider or approved equivalent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge a) One way Gange Switch (Small) (vi) Fan Dimmer	Each	1.00		
14	24/105 (a-iv)	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches/ sockets/ dimmer made of Legrand/ ABB/ Schenider or approved equivalent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge a) One way Gange Switch (Small) (iv) Three pin Light Plug 10/13 Amp	Each	1.00		
15	24/106 (ii)	Supply, installation, testing & commissioning of 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, including accessories, , complete in all respect as per specifications and as approved by Engineer Incharge. ii) Large 6"x3"	Each	1.00		
16	24/106 (i)	Supply, installation, testing & commissioning of 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, including accessories, , complete in all respect as per specifications and as approved by Engineer Incharge. i) Small 3"x3"	Each	1.00		
17	24/102 (a-ii)	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Exaust Fan i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. a) Plastic body (ii) 12" Dia	Each	1.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Electrification for Water Supply (Electrical)			Detailed Estimate			
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
18	24/103 (ii)	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall Bracket Fan i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (ii) 24" Sweep	Each	1.00		
19	24/45 (i)	Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete. i) double rod (80 watts) with two chokes and 2 starters.	Each	2.00		
20	24/45 (ii)	Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete. ii) single rod (40 watts) with two chokes and 2 starters.	Each	2.00		
21	24/94 (a-i)	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electrostatic powder coating in approved colour i/c the cost of capacitor trip unit overcurrent, Lock, Indication lights, Brass glands, Netural &Earth bar ,Digital voltmeter/ Ampmeter, Slector switchs, Current Transformers, Controles, Channels, Copper busbars of specified capacity, Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). 1. LT Switchboards a) 2.50 Ft deep (i)250~600A	P.Cft	38.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
JHOK BHUTTA, TEHSIL TAUNSA						
Electrification for Water Supply (Electrical)				Detailed Estimate		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
22	24/86 (a-ii)	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A/ SCHNEIDER GERMANY/ TERASAKI JAPAN/ SIEMEN/ ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge a) Triple Pole (ii) 15-100 Amp (10 KA,15KA)	Each	1.00		
23	24/86 (a-i)	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A/ SCHNEIDER GERMANY/ TERASAKI JAPAN/ SIEMEN/ ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge a) Triple Pole (i) 15-63 Amp (7.5 KA)	Each	1.00		
24	24/90	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep (i) 20~60A	P.Cft	0.75		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Electrification for Water Supply (Electrical)				Stand Post		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	24/3 (a-iii)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries iii) 25 mm i/d	Rft.	45.00		
2	24/9	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):				
		i) 3/0.74 mm (3/0.029")	Rft.	120.00		
		iii) 7/0.74 mm (7/0.029")	Rft.	115.00		
3	24/104	Providing and fixing Pakistan Energy Label NEEC Aapproved Copper winded CeilingFan i/c thecost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.	Each	2.00		
		iii) 56" dia				
4	24/105	P/FPVC double layer Switchkit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmermade of Legrand/ABB/Schenider or approved equilent manufacturer, screws complete inall respect, as approved and directed by the Engineer Incharge				
		a) One way Gange Switch (Small)				
		(ii) 02 Gange	Each	2.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Electrification for Water Supply (Electrical)				Stand Post		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
5	24/106	Supply, installation, testing & commissioning of 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, including as approved by Engineer Incharge accessories, , complete in all respect as per specifications and				
		i) Small 3"x3"	Each	2.00		
6	N.S	Wall bracket Light Fixture Type LED 12W energy saving lamp with holder and complete in all respect with allied accessories make Philips, GE, Pierlite or approved equivalent. The fitting shall be approved by the Engineer.	Each	4.00		
					Total Rs.	
					Required No's	2
					Grand Total Rs.	

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Stand Post with Storage Tanks

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	3/21/1/ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) a) By Manual				
		in ordinary soil.	100Cft	0.21		
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100Cft	1.96		
3	6/2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.				
		Under Stand Post Footing	100Cft	0.49		
4	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		i) Ratio 1: 4: 8	100Cft	0.21		
5	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-				
		(d) Ratio 1: 6:12	100Cft	0.25		
6	7/4/i	Pacca brick work in foundation and plinth in:-				
		Cement, sand mortar:- Ratio 1:5	100Cft	5.91		
7	7/5	Pacca brick work other than building upto 10ft. (3 m) height.				
		i) Cement, sand mortar:- Ratio 1:6	100Cft	0.41		
8	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Per.Cft	292.50		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Stand Post with Storage Tanks

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
9	6/12-c	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-				
		Deformed bars (Grade-60)	100 Kg	12.42		
10	10/21	1-3/8" (35mm) thick mosaic flooring consisting of 3/8"(10 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick flooring of 1:2:4 cement concrete including rubbing and polishing complete:- (a) using grey cement				
		Floor	100 Sft	1.49		
11	10/37	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1/2"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 3/8"(10 mm) thick				
		Side Wall	100 Sft	1.53		
12	6/31 A	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.	Per Rft	51.00		
13	10/3	Supplying and filling sand under floor; or plugging in Wells				
			100Cft	0.37		
14	10/43	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		a) Full body Glazed tiles				
		(i) 400 mm x 400 mm	P.Sft	612.00		
15	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of RCC. roof slabs only, upto 20' height. Ratio 1:3	100 Sft	7.42		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Stand Post with Storage Tanks

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
16	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured)				
		b) 60-mm thick	P.Sft	153.00		
17	11/9-c	Cement plaster 1:4 upto 20' (6.00 m) height:-				
		3/4" (20 mm) thick	100 Sft	3.73		
18	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items) (Lead 250 Km)				
			100 Cft	2.17		
19	19/24	Providing and fixing chromium plated pillar-cock, heavy:-				
		i) 2 cm (3/4")	Each	6.00		
20	19/34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I.grating:-				
		ii) 10x7.5 cm (4"x3")	Each	2.00		
21	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
		i) 100 mm (4") i/d	P.Rft	30.00		
		ii) 150 mm (6") i/d	P.Rft	50.00		
22	21/8	Constructing standard gully grating chamber, 3' x 2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects				
			Each	1.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Stand Post with Storage Tanks

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
23	19/51	Providing and hoisting vertical/ horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	Per Gallon	1,000.00		
24	NS	Providing and installation for 5000 GPD commercial RO plant mineral water filtration reverse osmoosis system	Each	1.00		
25	23/32	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.				
		ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38 M delivery head	Each	1.00		
26	22/1	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to specific depth, including sinking and withdrawing of casing pipe, complete:-				
		1 Upto 0 to 100' depth				
		c) 5" (125 mm) i/d	P.Rft	100.00		
		2 Upto 101' to 200' depth				
		a) 5" (125 mm) i/d	P.Rft	50.00		
27	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) House Pipe of specified Tubewell boreholei/c thecost of male/femalecoupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer				
		(FRP Housing pipe)				
		ii) 3"dia (5mm thickness)	Per Rft	50.00		
28	23/9(iv)	Providing and installing Fiberglass Reinforced Polypropelene (FRP) strainer of specifid wall thickness having slot size of 0.9 mm to 1.10 mm in Tubewell borehole i/c the cost of male/female coupling with Nylone Strip,studs complete in all respect as approved and directed by the Engineer Incharge.				
		ii) 3" inch dia (5 mm thickness)	Per Rft	50.00		

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

JHOK BHUTTA, TEHSIL TAUNSA

Stand Post with Storage Tanks

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
29	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) Blind Pipe of specified Tubewell boreholei/c thecost of male/ female coupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		ii) 3"dia (5mm thickness)	Per Rft	50.00		
30	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) bail plug of specified Tubewell boreholei/c thecost of male/ femalecoupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		ii) 3"dia (5mm thickness)	Rft	10.00		
31	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100 Cft	0.06		
					Total Rs.	
					Required Unit	2
					Grand Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Covered Drains

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	4/46	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead 30 metre). (Base, Sub Base, etc.)	100 Cft.	77.09		
2	4/29	Dismantling brick or flagged flooring without concrete foundation	100 Cft.	24.00		
3	4/19	c) Dismantling cement concrete 1:2:4 plain.	100 Cft.	16.25		
4	4/13	Dismantling brick work in lime or cement mortar.	100 Cft.	15.00		
5	3/9	Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 100 ft. (30 m) lead:- i) Ordinary	1000 Cft.	44.34		
6	20/6	Constructing Punjab Standard Drains. of cement concrete 1:2 ½ :5, with cement concrete bedding ratio 1:6:12, complete, laid to lines, grades, slopes and shapes, rendering exposed surface of concrete with 1:1 cement, sand mortar, ¼" (6 mm) thick, as per Engineer's drawing (excluding excavation):- a) Type I	Per Rft.	29,562.00		
7	6/3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (d) Ratio 1: 6:12	100 Cft.	110.86		
8	20/1	Tega formed of pacca bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150 mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the Engineer's drawing:- B) 4½" thick (113 mm) i) ratio 1:3	100 Rft.	295.62		
9	20/3	Pacca brick on edge, laid in reimbursement, in cement, sand mortar, on sides of drains and on other works where required. All joints to be completely filled and struck flush:- a) ratio 1:3	100 Sft.	221.72		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Covered Drains

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
10	N.S	Manufacturing, supply, and installation of Drain Cover made of 100% Recycled Plastic Composite (RPC) material, having dimensions 1.5 ft × 3 ft with 55 mm thickness. The cover shall be perforated with clear 2-inch diameter circular holes. The drain cover shall be load-bearing with a minimum capacity of 4-ton axle load / point load.	No.s	2,464.00		
11	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	Per Cft.	5,413.89		
12	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (ii) (Grade-60)	100 Kgs.	165.91		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
JHOK BHUTTA, TEHSIL TAUNSA						
Covered Drains						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
13	19/47	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS 4514 / BS 5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specifications and / or as approved and directed by the Engineer Incharge (iii) 50mm	Per Rft.	5,912.33		
14	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor (crushed stone aggregate and bajri used in concrete items) (The lead in the rate has been considered as 310 km; however, payment shall be made based on the actual lead accordingly as per the lead chart approved by the Engineer)	100 Cft.	47.64		
15	7/7	Pacca brick work other than building upto 10ft. (3 m) height. i) Cement, sand mortar:- Ratio 1:3 (Provisional Qty)	100 Cft.	1.00		
16	11/8	Cement plaster 1:3 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (Provisional Qty)	100 Sft.	1.00		
17	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer) (Provisional Qty)				
		a) upto ¼ mile (400 m).	1000 Cft.	44.34		
		b) For every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	1000 Cft.	Rate only		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK		Size 21'x7'x6'				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
CIVIL WORKS						
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	1.15		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	0.98		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	2.12		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	3.36		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	0.76		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.76		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	72.83		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK		Size 21'x7'x6'				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	242.52		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	109.25		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	5.78		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		
12	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK		Size 21'x7'x6'				
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	56.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	4.28		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK					Size 26'x9'x6'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	1.95		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	1.42		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	3.37		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	4.20		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.29		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.85		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	117.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK				Size 26'x9'x6'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	302.28		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	193.15		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	8.34		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK					Size 26'x9'x6'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	5.95		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.31		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	3.53		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	5.84		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	7.80		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.52		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.04		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	145.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	696.72		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	237.13		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (‘c) Deformed bars (Grade-60)	100 Kg	19.59		
10	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning μ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		
12	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	78.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	10.05		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK					Size 30'x10'x12'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	2.38		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	4.58		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	2.38		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	9.60		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.57		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.08		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK					Size 30'x10'x12'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	150.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	712.80		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	268.12		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	20.54		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

SEPTIC TANK					Size 30'x10'x12'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
12	19/49	Vent Cowel (ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	80.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	10.52		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

JHOK BHUTTA, TEHSIL TAUNSA

Brick Soling						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	3/20	b) Dressing of earthwork (done by machinery or otherwise i) Ordinary	100 Sft.	806.41		
2	18/20	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	100 Cft.	302.40		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

DISTRICT TAUNSA, JHOK BHUTTA

Soakage Pit						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	22/1	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre)				
		a) in ordinary soil or sand :				
		i) from 0' to 5' (0 to 1.5 m) depth	1000 Cft.	0.14		
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	1000 Cft.	0.14		
		iii) from 10.1' to 15' (3.0 to 4.5 metre) depth	1000 Cft.	0.11		
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)				
		(f) Ratio 1: 2: 4	1000 Cft.	0.05		
3	7/4	Pacca brick work in foundation and plinth in:-				
		i) Cement, sand mortar:-	100 Cft.	0.57		
		Ratio 1:3				
4	7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	100 Cft.	0.57		
		As Item of Brick Work				
5	7/18	Perforated pacca brick walling half brick thick, in ground floors:-				
		i) Cement, sand mortar:-				
		Ratio 1:3	100 Sft.	1.89		
6	10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	0.28		
7	6/5	Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compacting of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work except gravel and aggregate.				
		Gravels Size 4" for Soakage Pit	100Cft	2.55		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

DISTRICT TAUNSA, JHOK BHUTTA

Soakage Pit						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
8	6/6 (a)(ii, i)	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Provisional Qty				
		(3) Type C (nominal mix 1: 2: 4)	Per Cft	9.33		
9	6/12 (c)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-	100Kg	2.00		
10		Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:-				
		6" i/d (150 mm)	Rft	10.00		
11	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items)	100 Cft.	2.67		
					Total Rs.	
					Required No's	4
					Grand Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
DISTRICT TAUNSA, JHOK BHUTTA						
ESMP COST						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
Personal Protective Equipments						
1	Safety Jackets	EN ISO 20471: 360 degree visibility Fluorescent yellow/orange; retro-reflective strips; breathable mesh fabric; secure Velcro or zipper closure, provided in appropriate sizes are required by Staff, PRMSC name and logo printed	Each		30.00	
2	Safety Helmets	EN-397 High-density polyethylene (HDPE) or ABS plastic; adjustable screw harness; Adjustable headbands, chin straps, and non-allergic sweatbands. color-coded (white for engineers, yellow for workers) PRMSC Brading and LOGO PRINTED with sr number mentioned on each helmet for ease of record keeping	Each		30.00	
3	Safety Gloves	EN 388 : Nitrile-coated or leather palm; abrasion and cut-resistant; breathable back; conforms to EN388 safety ratings	Each		50.00	
4	Dust Mask (Dust proof mask)	ISO 16975: Disposable N95 or FFP2 class mask; elastic bands; nose clip for sealing; replace after use	Each		100.00	
5	Safety Shoes & Toes	EN ISO 20345, requiring a toe cap to withstand a minimum 200-joule impact and 15 kilonewtons (kN) of compression Steel toe cap; anti-slip, oil-resistant sole; leather upper; ankle support for shoes only	Each		35.00	
6	Safety Harness Belt	ISO 10333: High-tenacity polyester webbing, minimum width 45mm; adjustable shoulder and thigh straps with metal buckles; dorsal D-ring for fall arrest, side D-rings for positioning; and chest strap with quick-connect buckle; Renowned Brand	Each		3.00	
7	Protective Goggles	ISO 16321: Anti-fog, scratch-resistant; side shielding for wrap-around protection; adjustable strap	Each		10.00	
8	Ear Plugs	ISO 4869-1: Soft polyurethane foam; noise reduction rating (NRR) of 30 dB or more	Each		20.00	
Health Safety Environment Materials / Testing						

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
DISTRICT TAUNSA, JHOK BHUTTA						
ESMP COST						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
9	First Aid Kit	ISO 7010-E003: Painkiller, eyewash solution, antibiotic ointment, thermometer, plasters, sterile gauze, dressings, sterile eye dressings, triangular bandages, crepe rolled bandages, safety pins, disposable sterile gloves and tweezers), pain killers, burn creams, pyodine solution (big bottle), other medication as required by tehsil team is adequate size and quantity	Each		1.00	
10	Warning / Safety Signs	ISO 7010: Weatherproof PVC or Plastic or aluminum signs; reflective print; standardized colors and pictograms (danger, caution, mandatory)	Each		25.00	
11	Green Mesh	Green safety netting for site periphery; 50% shading; UV-stabilized HDPE material.	S.ft		200.00	
12	DCP Fire Extinguisher (Dry Chemical Powder)	ISO 7165: 6-kg; ABC type; The extinguishing agent is mono ammonium phosphate and ammonium sulphate powder and the discharge time of the agent is 13 second	No.		1.00	
13	CO ₂ Fire Extinguisher	ISO 7165: 5 kg; frost-free horn; suitable for electrical and liquid fires; discharge time of the agent in 13 second)	No.		1.00	
14	Fire Alarm	ICS 13.030.10: Proper segregation, PPE for handlers, timely removal, recordkeeping per solid waste rules	No.		2.00	
15	Trapuline	Waterproof tarpaulin sheet made from polyethylene or canva	Sq.ft		30.00	
16	Safety Cones	UV-resistant PVC or rubber material; at least 28 to 36 inches in height; high-visibility orange color with reflective collars (minimum 4-inch reflective band) for day and night visibility			12.00	
17	Tree Plantation	5-6 feet height; Native species plantation; soil preparation and watering included	No.		100.00	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
DISTRICT TAUNSA, JHOK BHUTTA						
ESMP COST						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
18	Barricading / Fencing (Reflective tape, poles, safety mesh/netting)	ISO 13857: Includes poles, reflective tape, plastic mesh netting; minimum 3 feet height; durable and visible	Rft		300.00	
19	Trainings	HSE Training, Rescue Training, Labour Code of Conduct, Environmental Code of Conduct, Defensive Driver Trainings, Labour Laws and Labour Rights, GAP Training, C-ESMP Training and anyother as required by E&S wing	Quaterly		4.00	
20	Water Sprinkling	Water sprinkling through tank mounted on tractor	Per Trip		30.00	
21	Medical Screening for Workers	CBC, Anti HCV, HBsAG, HIV, RPR, LFTs, RFTs etc.	Persons		30.00	
Environmental Testing and Monitoring						
22	Ambient Air Quality Monitoring	As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
23	Groundwater Quality Test	As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
24	Surface Water Quality Test	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
25	waste Water Quality Test	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
26	Noise Level Monitoring	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
Site Specific / Contractors Environmental and Social						
27	CESMP Formulation	By an individual or firm as approved by PRMSC Environment Wing	per village		1.00	
HSE Staff						
28	HSE Supervisor	Bachelor's degree in Environmental Sciences / Engineering , NEBOSH or IOSH certification will be preffered, with over one year of experience in Occupational Health and Safety, one HSE person for 10-15 village, hiring of HSE staff will be approved by E&S prior to contract signing	Per month per village		12.00	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
DISTRICT TAUNSA, JHOK BHUTTA						
ESMP COST						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
Waste Management and House Keeping						
29	Handling and disposal of Hazardous Material	ICS 13.030.30: Safe storage, labeling, and transportation; spill kits and secondary containment as per MSDS	3 times per village for duration of contract		3.00	
30	Handling and disposal of Solid Waste Material	ICS 13.030.10: Proper segregation, PPE for handlers, timely removal, recordkeeping per solid waste rules	3 times per village for duration of contract		3.00	
Note : Cost of ESMP implementation is village wise, will be multiplied with the number of villages in the civil work contract package to obtain total ESMP cost						
Total ESMP Implementation Cost per year (PKR)						

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)					
DISTRICT TAUNSA, JHOK BHUTTA					
Employer/Engineer's Facilities					
Sr. No.	Description	Unit	Quantity	Rate (PKR)	Amount (PKR)
<p><i>The following items shall be provided complete in all respects and in accordance with the special provision of the bidding document and up to the satisfaction of The Engineer / The Employer. Rates for below given items are to be filled-in by the Contractor however, payment will be made as per actual bills in accordance with special provisions.</i></p>					
1	Providing and maintaining site offices (portable air condition (1,5 ton AC) cabin containers lined with win board size 20'x8'x8.5' with toilet & kitchen, all-time availability of water and electricity) for the entire duration of the project to the Employer and the Engineer. It includes office tables, chairs, water dispenser, electric heater, steel almirah for document storage, etc complete with all respect. After completion of the project these containers and all accessories will be the property of PRMSC	Nos	1.0		
2	Providing 02 Nos office boy in accordance with the special provisions of the bidding document and up to the satisfaction of the Employer/Engineer.	Per month	20.0		
3	Providing and maintaining the Cost of Utility Services (Electricity, Water, Gas, etc.) for the 01 No. office.	Per month	20.0		
Total Amount					
Required No.s					1
Grand Total					

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT
(PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

ABSTRACT OF COST

Bill No.	Description	Amount (Rs.)
1	WATER SUPPLY SYSTEM	
1.1	Stand Post with Storage Tanks	
1.3	Electrification for Water Supply (Electrical)	
2	SEWERAGE SYSTEM	
2.1	Covered Drains	
2.2	Septic Tank	
3	ESMP COST	
4	Brick Soling	
5	Soakage Pit	
6	Employer/Engineer's Facilities	
	TOTAL COST (Rs.)	

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 1.1: STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	3/21/1/ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) a) By Manual				
		in ordinary soil.	100Cft	0.21		
2	6/5	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100Cft	1.96		
3	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Under Stand Post Footing	100Cft	0.49		
4	6/5	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		i) Ratio 1: 4: 8	100Cft	0.21		
5	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-				
		(d) Ratio 1: 6:12	100Cft	0.25		
6	7/4/i	Pacca brick work in foundation and plinth in:-				
		Cement, sand mortar:- Ratio 1:5	100Cft	5.91		
7	7/5	Pacca brick work other than building upto 10ft. (3 m) height.				
		i) Cement, sand mortar:- Ratio 1:6	100Cft	0.41		
8	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab,beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Per.Cft	292.50		
9	6/12-c	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-				
		Deformed bars (Grade-60)	100 Kg	12.42		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 1.1: STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
10	10/21	1-3/8" (35mm) thick mosaic flooring consisting of 3/8"(10 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick flooring of 1:2:4 cement concrete including rubbing and polishing complete:- (a) using grey cement				
		Floor	100 Sft	1.49		
11	10/37	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1/2"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 3/8"(10 mm) thick				
		Side Wall	100 Sft	1.53		
12	6/31 A	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.	Per Rft	51.00		
13	10/3	Supplying and filling sand under floor; or plugging in Wells				
			100Cft	0.37		
14	10/43	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		a) Full body Glazed tiles				
		(i) 400 mm x 400 mm	P.Sft	612.00		
15	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of RCC. roof slabs only, upto 20' height. Ratio 1:3	100 Sft	7.42		
16	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in allrespect. (50% Grey / 50% Coloured)				
		b) 60-mm thick	P.Sft	153.00		
17	11/9-c	Cement plaster 1:4 upto 20' (6.00 m) height:- 3/4" (20 mm) thick	100 Sft	3.73		
18	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items) (Lead 250 Km)				

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 1.1: STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
			100 Cft	2.17		
19	19/24	Providing and fixing chromium plated pillar-cock, heavy:-				
		i) 2 cm (¾")	Each	6.00		
20	19/34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I.grating:-				
		ii) 10x7.5 cm (4"x3")	Each	2.00		
21	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
		i) 100 mm (4") i/d	P.Rft	30.00		
		ii) 150 mm (6") i/d	P.Rft	50.00		
22	21/8	Constructing standard gully grating chamber, 3' x 2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects				
			Each	1.00		
23	19/51	Providing and hoisting vertical/ horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	Per Gallon	1,000.00		
24	NS	Providing and installation for 5000 GPD commercial RO plant mineral water filtration reverse osmoosis system	Each	1.00		
25	23/32	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.				
		ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38 M delivery head	Each	1.00		
26	22/1	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to specific depth, including sinking and withdrawing of casing pipe, complete:-				
		1 Upto 0 to 100' depth				
		c) 5" (125 mm) i/d	P.Rft	100.00		
		2 Upto 101' to 200' depth				

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 1.1: STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		a) 5" (125 mm) i/d	P.Rft	50.00		
27	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) House Pipe of specified Tubewell borehole i/c the cost of male/ female coupling with Nylone Strip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer				
		(FRP Housing pipe)				
		ii) 3" dia (5mm thickness)	Per Rft	50.00		
28	23/9(iv)	Providing and installing Fiberglass Reinforced Polypropelene (FRP) strainer of specifid wall thickness having slot size of 0.9 mm to 1.10 mm in Tubewell borehole i/c the cost of male/female coupling with Nylone Strip, studs complete in all respect as approved and directed by the Engineer Incharge.				
		ii) 3" inch dia (5 mm thickness)	Per Rft	50.00		
29	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) Blind Pipe of specified Tubewell borehole i/c the cost of male/ female coupling with Nylone Strip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		ii) 3" dia (5mm thickness)	Per Rft	50.00		
30	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) bail plug of specified Tubewell borehole i/c the cost of male/ female coupling with Nylone Strip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		ii) 3" dia (5mm thickness)	Rft	10.00		
31	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100 Cft	0.06		
					Total Rs.	-
					Required Unit	5.00
					Grand Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP),
CLUSTER SOUTH-II, (PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 1.5: Electrification for Stand Post

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	24/3 (a-iii)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries iii) 25 mm i/d	Rft.	45.00		
2	24/9	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):				
		i) 3/0.74 mm (3/0.029")	Rft.	120.00		
		iii) 7/0.74 mm (7/0.029")	Rft.	115.00		
3	24/104	Providing and fixing Pakistan Energy Label NEEC Aapproved Copper winded CeilingFan i/c thecost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.	Each	2.00		
		iii) 56" dia				
4	24/105	P/FPVC double layer Switchkit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmermade of Legrand/ABB/Schenider or approved equilent manufacturer, screws complete inall respect, as approved and directed by the Engineer Incharge				
		a) One way Gange Switch (Small)				
		(ii) 02 Gange	Each	2.00		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 2.1: Covered Drain Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	LANGERWAH	SUNDER	TOTAL QUANTITY	Unit Rate (Rs)	Amount (Rs)
1	4/29	Dismantling brick or flagged flooring without concrete foundation	100 Cft.	69.35	69.34	138.68		
2	4/16	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre)	100 Cft.	20.00	20.00	40.00		
3	4/19	c) Dismantling cement concrete 1:2:4 plain.	100 Cft.	2.10	1.50	3.60		
4	4/13	Dismantling brick work in lime or cement mortar.	100 Cft.	2.10	1.50	3.60		
5	3/9	Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 100 ft. (30 m) lead:- i) Ordinary	1000 Cft.	46.59	7.04	53.62		
6	20/6	Constructing Punjab Standard Drains. of cement concrete 1:2 ½ :5, with cement concrete bedding ratio 1:6:12, complete, laid to lines, grades, slopes and shapes, rendering exposed surface of concrete with 1:1 cement, sand mortar, ¼" (6 mm) thick, as per Engineer's drawing (excluding excavation):- a) Type I	Per Rft.	23,790.00	2,968.68	26,758.68		
7	6/3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (d) Ratio 1: 6:12	100 Cft.	89.21	11.13	100.35		
8	20/1	Tega formed of pacca bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150 mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the Engineer's drawing:- B) 4½" thick (113 mm) i) ratio 1:3	100 Rft.	237.90	29.69	267.59		
9	20/3	Pacca brick on edge, laid in reimbursement, in cement, sand mortar, on sides of drains and on other works where required. All joints to be completely filled and struck flush:- a) ratio 1:3	100 Sft.	178.43	22.27	200.69		
10	N.S	Manufacturing, supply, and installation of Drain Cover made of 100% Recycled Plastic Composite (RPC) material, having dimensions 1.5 ft × 3 ft with 55 mm thickness. The cover shall be perforated with clear 2-inch diameter circular holes. The drain cover shall be load-bearing with a minimum capacity of 4-ton axle load / point load.	No.s	1,983.00	248.00	2,231.00		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 2.1: Covered Drain Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	LANGERWAH	SUNDER	TOTAL QUANTITY	Unit Rate (Rs)	Amount (Rs)
11	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				-		
		(a) Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	Per Cft.	4,356.82	554.55	4,911.37		
						-		
12	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (ii) (Grade-60)	100 Kgs.	133.51	16.99	150.51		
						-		
13	19/47	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS 4514 / BS 5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specifications and / or as approved and directed by the Engineer Incharge (iii) 50mm	Per Rft.	4,758.00	605.54	5,363.54		
14	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor (crushed stone aggregate and bajri used in concrete items) (The lead in the rate has been considered as 310 km; however, payment shall be made based on the actual lead accordingly as per the lead chart approved by the Engineer)	100 Cft.	38.34	4.88	43.22		
						-		
15	7/7	Pacca brick work other than building upto 10ft. (3 m) height. i) Cement, sand mortar:- Ratio 1:3 (Provisional Qty)	100 Cft.	1.00	10.05	11.05		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 2.1: Covered Drain Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	LANGERWAH	SUNDER	TOTAL QUANTITY	Unit Rate (Rs)	Amount (Rs)
						-		
16	11/8	Cement plaster 1:3 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (Provisional Qty)	100 Sft.	1.00	134.00	135.00		
						-		
17	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer) (Provisional Qty)				-		
		a) upto ¼ mile (400 m).	1000 Cft.	46.59	7.04	53.62		
		b) For every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	1000 Cft.	Rate only	Rate only			
		Restoration						
18	21/8	Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling.	100Sft	69.35	20.00	89.35		
19	21/10 a	Restoration of metalled road, on laid service line, including compaction:..						
		a) Carpetted road, with 2" (50 mm) carpet and 10" (250	100Sft	10.00	5.00	15.00		
20	21/10 (c)	c) Black Topped Road with two coats of surfacing & 10" (250 mm) depth of stone metal, for sub base & base.	100Sft	10.00	5.00	15.00		
							Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE

Size 15'x5'x6'

Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.38		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	1.13		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	3.51		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	2.40		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.57		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.29		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	37.50		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE

Size 15'x5'x6'

Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	155.93		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	56.25		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	3.40		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE				Size 15'x5'x6'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	2.37		
					Total Rs.	-

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE 1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 21'x7'x6'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	1.15		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	0.98		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	2.12		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	3.36		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	0.76		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.76		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	72.83		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE 1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE

Size 21'x7'x6'

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	242.52		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	109.25		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	5.78		
10	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning μ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		
12	19/49	Vent Cowel				
		(ii) 3" dia	Each	1.00		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE 1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE			Size 21'x7'x6'			
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	56.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	4.28		
					Total Rs.	-

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE					Size 26'x9'x8'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	1.95		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	2.20		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	4.15		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	5.60		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.29		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.85		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	117.00		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE					Size 26'x9'x8'	
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	416.96		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	193.15		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	9.90		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x9'x8'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	6.91		
					Total Rs.	-

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x10'x8'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.10		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	2.36		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	4.46		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	5.76		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.39		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.85		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	117.00		

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x10'x8'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	416.96		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	193.15		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	9.90		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x10'x8'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	6.91		
					Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.31		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	3.53		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	5.84		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	7.80		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.52		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.04		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	145.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	696.72		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	237.13		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	19.59		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	78.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	10.05		
					Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 31'x10'x10'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.45		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	3.74		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	6.19		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	8.20		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.62		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.11		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	155.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 31'x10'x10'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	728.88		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	253.12		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	20.65		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 31'x10'x10'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	82.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	10.61		
					Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 30'x10'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	2.38		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	4.58		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	2.38		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	9.60		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.57		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.08		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 30'x10'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	150.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	712.80		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	268.12		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	20.54		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 30'x10'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
12	19/49	Vent Cowel (ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	80.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	10.52		
					Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 34'x11'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	2.85		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	8.34		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	11.19		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	10.32		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.88		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.33		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 34'x11'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	187.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	768.00		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	303.10		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	22.85		
10	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 34'x11'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
11	23/15	Providing, laying, testing and commissioning μ -PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26" dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	86.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	11.83		
					Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 37'x12'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	3.28		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	6.32		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	9.60		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	10.32		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	2.16		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.26		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 37'x12'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	222.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	780.67		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	357.58		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	24.70		
10	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 37'x12'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
11	23/15	Providing, laying, testing and commissioning μ -PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26" dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide $\frac{1}{4}$ " (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	86.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	12.62		
					Total Rs.	-

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 38'x13'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	3.57		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	6.88		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	10.45		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	10.32		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	2.36		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.74		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 38'x13'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	247.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	903.60		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	396.07		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	28.09		
10	19/47	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSP), CLUSTER SOUTH-II,
(PHASE-1)**

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 38'x13'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
11	23/15	Providing, laying, testing and commissioning μ -PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26" dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	86.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	14.64		
					Total Rs.	-

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)

LANGERWAH AND SUNDER, TEHSIL ALI PUR

Bill No. 4: Brick Solling Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Sunder	Total Quantity	Unit Rate (Rs)	Amount (Rs)
1	3/21	b) Dressing of earthwork (done by machinery or otherwise						
		i) Ordinary	1000 Cft.	221.76	120.86	342.62		
2	18/20	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	100 Cft.	945.00	562.52	1,507.52		
							Total Rs.	0

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP),
CLUSTER SOUTH-II, (PHASE-1)**

SUNDER, TEHSIL ALI PUR

Bill No. 5: SOAKAGE PIT DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	22/1	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre)				
		a) in ordinary soil or sand :				
		i) from 0' to 5' (0 to 1.5 m) depth	1000 Cft.	0.25		
		ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	1000 Cft.	0.25		
		iii) from 10.1' to 15' (3.0 to 4.5 metre) depth	1000 Cft.	0.20		
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)				
		(f) Ratio 1: 2: 4	1000 Cft.	0.06		
3	7/4	Pacca brick work in foundation and plinth in:-				
		i) Cement, sand mortar:-	100 Cft.	2.14		
		Ratio 1:3				
	7/7	Pacca brick work other than building upto 10ft. (3 m) height. 1:3				
4	7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	100 Cft.	2.14		
		As Item of Brick Work				
5	10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	0.50		
6	6/5	Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compacting of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work except gravel and aggregate.				
		Gravels Size 4" for Soakage Pit	100Cft	4.53		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP),
CLUSTER SOUTH-II, (PHASE-1)**

SUNDER, TEHSIL ALI PUR

Bill No. 5: SOAKAGE PIT DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7	6/6 (a)(ii, i)	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Provisional Qty				
		(2) Type B (nominal mix 1: 1½: 3)	Per Cft	23.40		
8	6/12 (c)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):-				
		(c) Deformed bars (Grade-60)	100Kg	2.00		
	10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft	0.50		
9		Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:-				
		6" i/d (150 mm)	Rft	10.00		

**PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP),
CLUSTER SOUTH-II, (PHASE-1)**

SUNDER, TEHSIL ALI PUR

Bill No. 5: SOAKAGE PIT DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
10	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items)	100 Cft.	4.79		
11	3/13	Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel	1000Cft	0.40		
					Total Rs.	0
					Required No's	3
					Grand Total Rs.	-

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill No. 3: ESMP Cost						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
Personal Protective Equipments						
1	Safety Jackets	EN ISO 20471: 360 degree visibility Fluorescent yellow/orange; retro-reflective strips; breathable mesh fabric; secure Velcro or zipper closure, provided in appropriate sizes are required by Staff, PRMSC name and logo printed	Each		30.00	
2	Safety Helmets	EN-397 High-density polyethylene (HDPE) or ABS plastic; adjustable screw harness; Adjustable headbands, chin straps, and non-allergic sweatbands. color-coded (white for engineers, yellow for workers) PRMSC Brading and LOGO PRINTED with sr number mentioned on each helmet for ease of record keeping	Each		30.00	
3	Safety Gloves	EN 388 : Nitrile-coated or leather palm; abrasion and cut-resistant; breathable back; conforms to EN388 safety ratings	Each		50.00	
4	Dust Mask (Dust proof mask)	ISO 16975: Disposable N95 or FFP2 class mask; elastic bands; nose clip for sealing; replace after use	Each		100.00	
5	Safety Shoes & Toes	EN ISO 20345, requiring a toe cap to withstand a minimum 200-joule impact and 15 kilonewtons (kN) of compression Steel toe cap; anti-slip, oil-resistant sole; leather upper; ankle support for shoes only	Each		35.00	
6	Safety Harness Belt	ISO 10333: High-tenacity polyester webbing, minimum width 45mm; adjustable shoulder and thigh straps with metal buckles; dorsal D-ring for fall arrest, side D-rings for positioning; and chest strap with quick-connect buckle; Renowned Brand	Each		3.00	
7	Protective Goggles	ISO 16321: Anti-fog, scratch-resistant; side shielding for wrap-around protection; adjustable strap	Each		10.00	
8	Ear Plugs	ISO 4869-1: Soft polyurethane foam; noise reduction rating (NRR) of 30 dB or more	Each		20.00	
Health Safety Environment Materials / Testing						
9	First Aid Kit	ISO 7010-E003: Painkiller, eyewash solution, antibiotic ointment, thermometer, plasters, sterile gauze, dressings, sterile eye dressings, triangular bandages, crepe rolled bandages, safety pins, disposable sterile gloves and tweezers), pain killers, burn creams, pyodine solution (big bottle), other medication as required by tehsil team is adequate size and quantity	Each		1.00	
10	Warning / Safety Signs	ISO 7010: Weatherproof PVC or Plastic or aluminum signs; reflective print; standardized colors and pictograms (danger, caution, mandatory)	Each		25.00	
11	Green Mesh	Green safety netting for site periphery; 50% shading; UV-stabilized HDPE material.	S.ft		200.00	
12	DCP Fire Extinguisher (Dry Chemical Powder)	ISO 7165: 6-kg; ABC type; The extinguishing agent is mono ammonium phosphate and ammonium sulphate powder and the discharge time of the agent is 13 second	No.		1.00	
13	CO ₂ Fire Extinguisher	ISO 7165: 5 kg; frost-free horn; suitable for electrical and liquid fires; discharge time of the agent in 13 second)	No.		1.00	

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill No. 3: ESMP Cost						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
14	Fire Alarm	ICS 13.030.10: Proper segregation, PPE for handlers, timely removal, recordkeeping per solid waste rules	No.		2.00	
15	Trapuline	Waterproof tarpaulin sheet made from polyethylene or canva	Sq.ft		30.00	
16	Safety Cones	UV-resistant PVC or rubber material; at least 28 to 36 inches in height; high-visibility orange color with reflective collars (minimum 4-inch reflective band) for day and night visibility			12.00	
17	Tree Plantation	5-6 feet height; Native species plantation; soil preparation and watering included	No.		100.00	
18	Barricading / Fencing (Reflective tape, poles, safety mesh/netting)	ISO 13857: Includes poles, reflective tape, plastic mesh netting; minimum 3 feet height; durable and visible	Rft		300.00	
19	Trainings	HSE Training, Rescue Training, Labour Code of Conduct, Environmental Code of Conduct, Defensive Driver Trainings, Labour Laws and Labour Rights, GAP Training, C-ESMP Training and anyother as required by E&S wing	Quarterly		4.00	
20	Water Sprinkling	Water sprinkling through tank mounted on tractor	Per Trip		30.00	
21	Medical Screening for Workers	CBC, Anti HCV, HBsAG, HIV, RPR, LFTs, RFTs etc.	Persons		30.00	
Environmental Testing and Monitoring						
22	Ambient Air Quality Monitoring	As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
23	Groundwater Quality Test	As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
24	Surface Water Quality Test	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
25	waste Water Quality Test	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
26	Noise Level Monitoring	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
Site Specific / Contractors Environmental and Social Management Plan						
27	CESMP Formulation	By an individual or firm as approved by PRMSC Environment Wing	per village		1.00	
HSE Staff						
28	HSE Supervisor	Bachelor's degree in Environmental Sciences / Engineering , NEBOSH or IOSH certification will be preferred, with over one year of experience in Occupational Health and Safety, one HSE person for 10-15 village, hiring of HSE staff will be approved by E&S prior to contract signing	Per month per village		12.00	

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)						
LANGERWAH AND SUNDER, TEHSIL ALI PUR						
Bill No. 3: ESMP Cost						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
Waste Management and House Keeping						
29	Handling and disposal of Hazardous Material	ICS 13.030.30: Safe storage, labeling, and transportation; spill kits and secondary containment as per MSDS	3 times per village for duration of contract		3.00	
30	Handling and disposal of Solid Waste Material	ICS 13.030.10: Proper segregation, PPE for handlers, timely removal, recordkeeping per solid waste rules	3 times per village for duration of contract		3.00	
Total ESMP Implementation Cost (PKR)						-

PUNJAB RURAL SUSTAINABLE WATER SUPPLY & SANITATION PROJECT (PRSWSSP), CLUSTER SOUTH-II, (PHASE-1)**LANGERWAH AND SUNDER, TEHSIL ALI PUR****Bill No.6: Employer Facilities Detailed Estimate**

Sr. No.	Ref. MRS	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1		Providing and maintaining site offices (portable air condition (1,5 ton AC) cabin containers lined with win board size 20'x8'x8.5' with toilet & kitchen, all-time availability of water and electricity) for the entire duration of the project to the Employer and the Engineer. It includes office tables, chairs, water dispenser, electric heater, steel almirah for document storage, etc complete with all respect. After completion of the project these containers and all accessories will be the property of PRMSC	Nos	1.0		
2		Providing 02 Nos office boy in accordance with the special provisions of the bidding document and up to the satisfaction of the Employer/Engineer.	Per month	20.0		
3		Providing and maintaining the Cost of Utility Services (Electricity, Water, Gas, etc.) for the 01 No. office.	Per month	20.0		
Total Amount						-
Required No.s						2
Grand Total						-

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP),
Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)**

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

ABSTRACT OF COST

Bill No.	Description	Amount (Rs.)
1	WATER SUPPLY SYSTEM	
1.1	Stand Post with Storage Tanks	
1.2	Electrification for Water Supply (Electrical)	
2	SEWERAGE SYSTEM	
2.1	Covered Drain	
2.2	Septic Tank	
3	ESMP COST	
4	Brick Soling	
5	Soakage Pit	
6	Employer/Engineer's Facilities	
TOTAL COST (Rs.)		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

BILL NO.STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	3/21/1/ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) a) By Manual				
		in ordinary soil.	100Cft	0.21		
2	6/5	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100Cft	1.96		
3	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Under Stand Post Footing	100Cft	0.49		
4	6/5	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		i) Ratio 1: 4: 8	100Cft	0.21		
5	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-				
		(d) Ratio 1: 6:12	100Cft	0.25		
6	7/4/i	Pacca brick work in foundation and plinth in:-				
		Cement, sand mortar:- Ratio 1:5	100Cft	5.91		
7	7/5	Pacca brick work other than building upto 10ft. (3 m) height.				
		i) Cement, sand mortar:- Ratio 1:6	100Cft	0.41		
8	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab,beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Per.Cft	292.50		
9	6/12-c	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-				
		Deformed bars (Grade-60)	100 Kg	12.42		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

BILL NO.STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
10	10/21	1-3/8" (35mm) thick mosaic flooring consisting of 3/8"(10 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick flooring of 1:2:4 cement concrete including rubbing and polishing complete:- (a) using grey cement				
		Floor	100 Sft	1.49		
11	10/37	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1/2"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 3/8"(10 mm) thick				
		Side Wall	100 Sft	1.53		
12	6/31 A	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.	Per Rft	51.00		
13	10/3	Supplying and filling sand under floor; or plugging in Wells	100Cft	0.37		
14	10/43	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.				
		a) Full body Glazed tiles				
		(i) 400 mm x 400 mm	P.Sft	612.00		
15	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of RCC. roof slabs only, upto 20' height. Ratio 1:3	100 Sft	7.42		
16	10/41	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in allrespect. (50% Grey / 50% Coloured)				
		b) 60-mm thick	P.Sft	153.00		
17	11/9-c	Cement plaster 1:4 upto 20' (6.00 m) height:- 3/4" (20 mm) thick	100 Sft	3.73		
18	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items) (Lead 250 Km)	100 Cft	2.17		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

BILL NO.STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
19	19/24	Providing and fixing chromium plated pillar-cock, heavy:-				
		i) 2 cm (¾")	Each	6.00		
20	19/34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I.grating:-				
		ii) 10x7.5 cm (4"x3")	Each	2.00		
21	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
		i) 100 mm (4") i/d	P.Rft	30.00		
		ii) 150 mm (6") i/d	P.Rft	50.00		
22	21/8	Constructing standard gully grating chamber, 3' x 2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects				
			Each	1.00		
23	19/51	Providing and hoisting vertical/ horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials& labour complete in all respect as approved and directed by the Engineer Incharge.	Per Gallon	1,000.00		
24	NS	Providing and installation for 5000 GPD commercial RO plant mineral water filtration reverse osmoosis system	Each	1.00		
25	23/32	P/F Ejector Pump of specified Suction and Delivery heads,coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.				
		ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38 M delivery head	Each	1.00		
26	22/1	Boring for tubewell in all types of soil except shingle and Chap. 2 rock, from ground level to specific depth, including sinking and withdrawing of casing pipe, complete:-				
		1 Upto 0 to 100' depth				
		c) 5" (125 mm) i/d	P.Rft	100.00		
		2 Upto 101' to 200' depth				
		a) 5" (125 mm) i/d	P.Rft	50.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

BILL NO.STAND POST DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
27	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) House Pipe of specified Tubewell boreholei/c thecost of male/ femalecoupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer				
		(FRP Housing pipe)				
		ii) 3"dia (5mm thickness)	Per Rft	50.00		
28	23/9(iv)	Providing and installing Fiberglass Reinforced Polypropelene (FRP) strainer of specifid wall thickness having slot size of 0.9 mm to 1.10 mm in Tubewell borehole i/c the cost of male/female coupling with Nylone Strip.studs complete in all respect as approved and directed by the Engineer Incharge.				
		ii) 3" inch dia (5 mm thickness)	Per Rft	40.00		
29	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) Blind Pipe of specified Tubewell boreholei/c thecost of male/ female coupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		ii) 3"dia (5mm thickness)	Per Rft	50.00		
30	23/10	Providing and installing Fiber glass Reinforced Polypropelene (FRP) bail plug of specified Tubewell boreholei/c thecost of male/ femalecoupling with NyloneStrip, wall thickness having slot size of 0.9 mm to 1.10 mm in studs complete in all respect as approved and directed by the Engineer Incharge				
		ii) 3"dia (5mm thickness)	Rft	10.00		
31	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100 Cft	0.06		
					Total Rs.	
					Required Unit	3
					Grand Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (GHARABI), TEHSIL SHUJABAD						
Bill No. 1.5: Electrification for Stand Post						
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	24/3 (a-iii)	Supply and erection of PVC pipe for wiring including inspection boxes, pull boxes, hooks, and repairing surface, etc., complete with all specials. a) Recessed in walls i/c making jharries iii) 25 mm i/d	Rft.	45.00		
2	24/9	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only): i) 3/0.74 mm (3/0.029") iii) 7/0.74 mm (7/0.029")	Rft. Rft.	120.00 115.00		
3	24/104	Providing and fixing Pakistan Energy Label NEEC Aapproved Copper winded CeilingFan i/c thecost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. iii) 56" dia	Each	2.00		
4	24/105	P/FPVC double layer Switchkit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmermade of Legrand/ABB/Schenider or approved equilent manufacturer, screws complete inall respect, as approved and directed by the Engineer Incharge a) One way Gange Switch (Small) (ii) 02 Gange	Each	2.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill No. 2.1: Covered Drain Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	4/46	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead 30 metre). (Base, Sub Base,)	100 Cft.	50.90		
2	4/29	Dismantling brick or flagged flooring without concrete foundation	100 Sft.	20.00		
3	4/19	c) Dismantling cement concrete 1:2:4 plain.	100 Cft.	15.24		
4	4/13	Dismantling brick work in lime or cement mortar.	100 Cft.	15.00		
5	3/9	Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 100 ft. (30 m) lead:- i) Ordinary	1000 Cft.	48.42		
6	20/6	Constructing Punjab Standard Drains. of cement concrete 1:2 ½ :5, with cement concrete bedding ratio 1:6:12, complete, laid to lines, grades, slopes and shapes, rendering exposed surface of concrete with 1:1 cement, sand mortar, ¼" (6 mm) thick, as per Engineer's drawing (excluding excavation):- a) Type I	Per Rft.	24,726.00		
7	6/3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (d) Ratio 1: 6:12	100 Cft.	46.36		
8	20/1	Tega formed of pacca bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150 mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the Engineer's drawing:- B) 4½" thick (113 mm) i) ratio 1:3	100 Rft.	247.26		
9	20/3	Pacca brick on edge, laid in reimbursement, in cement, sand mortar, on sides of drains and on other works where required. All joints to be completely filled and struck flush:- a) ratio 1:3	100 Sft.	185.45		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill No. 2.1: Covered Drain Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
10	N.S	Manufacturing, supply, and installation of Drain Cover made of 100% Recycled Plastic Composite (RPC) material, having dimensions 1.5 ft × 3 ft with 55 mm thickness. The cover shall be perforated with clear 2-inch diameter circular holes. The drain cover shall be load-bearing with a minimum capacity of 4-ton axle load / point load.	No.s	2,061.00		
11	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	Per Cft.	4,528.24		
12	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (ii) (Grade-60)	100 Kgs.	138.77		
13	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS 4514 / BS 5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specifications and / or as approved and directed by the Engineer Incharge (iii) 50mm	Per Rft.	4,945.17		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill No. 2.1: Covered Drain Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
14	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor (crushed stone aggregate and bajri used in concrete items) (The lead in the rate has been considered as 310 km; however, payment shall be made based on the actual lead accordingly as per the lead chart approved by the Engineer)	100 Cft.	39.85		
15	7/7	Pacca brick work other than building upto 10ft. (3 m) height. i) Cement, sand mortar:- Ratio 1:3 (Provisional Qty)	100 Cft.	1.00		
16	11/8	Cement plaster 1:3 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (Provisional Qty)	100 Sft.	1.00		
17	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer) (Provisional Qty)				
		a) upto ¼ mile (400 m).	1000 Cft.	48.42		
		b) For every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	1000 Cft.	Rate only		
18	21/8	Restoration of brick pavement on edge, overlaid service line, with 2" (50 mm) sand cushion under soling.	100Sft	20.00		
19	21/10 a	Restoration of metalled road, on laid service line, including compaction:.				
		a) Carpetted road, with 2" (50 mm) carpet and 10" (250 mm) depth of stone metal, for sub base & base.	100Sft	74.18		
20	21/10 (c	c) Black Topped Road with two coats of surfacing & 10" (250 mm) depth of stone metal, for sub base & base.	100Sft	74.18		
Total Rs.						

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (GHARABI), TEHSIL SHUJABAD						
Bill 2.2: SEPTIC TANK DETAILED ESTIMATE					Size 15'x5'x6'	
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.38		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	1.13		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	3.51		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	2.40		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.57		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.29		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	37.50		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE				Size 15'x5'x6'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	155.93		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	56.25		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	3.40		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		
12	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE			Size 15'x5'x6'			
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	2.37		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 21'x7'x6'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	1.15		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	0.98		
	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	2.12		
	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	3.36		
2	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	0.76		
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.76		
4	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	72.83		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 21'x7'x6'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
5		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	242.52		
6		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	109.25		
7	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	5.78		
8	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
9	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		
10	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 21'x7'x6'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
11	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
12	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	56.00		
13	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	4.28		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x9'x6'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	1.95		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	1.42		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	3.37		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	4.20		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.29		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.85		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	117.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x9'x6'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	302.28		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	193.15		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	8.34		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		
12	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x9'x6'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	5.95		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (GHARABI), TEHSIL SHUJABAD						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE					Size 26'x10'x8'	
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000Cft	2.10		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000Cft	2.36		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	4.46		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	5.76		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.39		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	0.85		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	117.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (GHARABI), TEHSIL SHUJABAD						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 26'x10'x8'		
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	416.96		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	193.15		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	9.90		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (GHARABI), TEHSIL SHUJABAD						
Bill 2.2 SEPTIC TANK DETAILED ESTIMATE					Size 26'x10'x8'	
Sr. No.	MRS 2nd Bi Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	40.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	6.91		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 30'x10'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	2.38		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	4.58		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	2.38		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	9.60		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.57		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.08		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 30'x10'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	150.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	712.80		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	268.12		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	20.54		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"	P.Rft	5.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 30'x10'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
12	19/49	Vent Cowel (ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	80.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	10.52		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 32'x11'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	2.70		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	5.20		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	7.90		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	10.32		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	1.78		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	1.26		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 32'x11'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	176.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	768.00		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	285.61		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	22.33		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill 2.2 SEPTIC TANK DETAILED ESTIMATE				Size 32'x11'x12'		
Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
11	23/15	Providing, laying, testing and commissioning μ -PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. b) Class-E				
		(vii) 3"				
			P.Rft	5.00		
12	19/49	Vent Cowel				
		(ii) 3" dia	Each	1.00		
13	NS	Providing and fixing RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26" dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	Each	2.00		
14	6/31	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Rft	86.00		
15	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl , kankar lime (unslaked), surkhi , etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead from approved nearby quarry	100 Cft	11.52		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

CST SIZE 48' X 15' X 12'

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		CIVIL WORKS				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		2) a) By Excavator				
		ii) Ordinary soil	1000 Cft.	2.70		
		b) Lift from 5ft (1.5m) to 15 ft (4.5 m):-				
		ii) Ordinary soil	1000 Cft.	5.20		
2	3/17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) (Transportation will be paid as per actual lead chart to be approved by the Engineer)				
		a) upto ¼ mile (400 m).	1000 Cft.	19.39		
3	13/9	Bitumen coating to plastered or cement				
		i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	15.12		
4	10/3	Supplying and filling sand under floor; or plugging in wells.	100Cft	3.26		
5	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	2.51		
6	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

CST SIZE 48' X 15' X 12'

Bill 2.2: SEPTIC TANK DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	360.00		
7		(a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	1,117.44		
8		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wal ls; etc and other structural members other than those mentioned in 5(a)(i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft.	571.51		
9	6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and steel chairs, etc. complete in all respect. and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also Includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	37.21		
10	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS4514 / BS5255 - EN 1329 including thecost of specials and Solvents complete in all respects, as per drawings& specifications and / or as approved and directed by the Engineer Incharge.				
		(vi) 160 mm	P.Rft	10.00		
11	23/15	Providing, laying, testing and commissioning µ-PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials completeas approved and directed by the Engineer Incharge.b) Class-E				
		(vii) 3"				

**Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II
(Alipur, Shujabad & Taunsa) (Phase-1)**

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill No. 4: Brick Soling Detailed Estimate

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	3/20	b) Dressing of earthwork (done by machinery or otherwise i) Ordinary	100 Sft.	2,306.86		
2	18/20	Providing and laying dry brick pavement/soiling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	100 Cft.	865.07		
					Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill No. 5: SOAKAGE PIT DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1	22/1	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre)				
		a) in ordinary soil or sand :				
		i) f rom 0' to 5' (o to 1.5 m) depth	1000 Cft.	0.14		
		ii) f rom 5.1' to 10' (1.5 to 3.0 metre) depth	1000 Cft.	0.14		
		iii) f rom 10.1' to 15' (3.0 to 4.5 metre) depth	1000 Cft.	0.11		
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)				
		(f) Ratio 1: 2: 4	1000 Cft.	0.05		
3	7/4	Pacca brick work in f oundation and plinth in:-				
		i) Cement, sand mortar:-	100 Cft.	0.57		
		Ratio 1:3				
4	7/10	Extra f or pacca brick work in steining of wells or any other circular masonry.	100 Cft.	0.57		
		As Item of Brick Work				
5	7/18	Perforated pacca brick walling half brick thick, in ground floors:-				
		i) Cement, sand mortar:-				
		Ratio 1:3	100 Sft.	1.89		
6	10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	0.20		
7	6/5	Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreadi ng and compacti on of base course materi al to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carri age of al l materi al s to si te of work except gravel and. aggregate.				
		Gravels Size 4" for Soakage Pit	100Cft	1.77		

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)

SKINDERABAD (GHARABI), TEHSIL SHUJABAD

Bill No. 5: SOAKAGE PIT DETAILED ESTIMATE

Sr. No.	MRS 2nd Bi-Annual 2025 (Chap/Item)	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
8	6/6 (a)(ii, i)	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Provisional Qty				
		(3) Type C (nominal mix 1: 2: 4)	Per Cft	10.95		
9	6/12 (c)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-	100Kg	2.00		
10		Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects:-				
		6" i/d (150 mm)	Rft	10.00		
11	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. (crushed stone aggregate and bajri used in concrete items)	100 Cft.	1.91		
12	3/13	Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel	1000Cft	0.40		
					Total Rs.	
					Required No's	5
					Grand Total Rs.	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (SHARAQI) TEHSIL SHUJABAD						
Bill No. 3: ESMP Cost						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
Personal Protective Equipments						
1	Safety Jackets	EN ISO 20471: 360 degree visibility Fluorescent yellow/orange; retro-reflective strips; breathable mesh fabric; secure Velcro or zipper closure, provided in appropriate sizes are required by Staff, PRMSC name and logo printed	Each		30.00	
2	Safety Helmets	EN-397 High-density polyethylene (HDPE) or ABS plastic; adjustable screw harness; Adjustable headbands, chin straps, and non-allergic sweatbands. color-coded (white for engineers, yellow for workers) PRMSC Brading and LOGO PRINTED with sr number mentioned on each helmet for ease of record keeping	Each		30.00	
3	Safety Gloves	EN 388 : Nitrile-coated or leather palm; abrasion and cut-resistant; breathable back; conforms to EN388 safety ratings	Each		50.00	
4	Dust Mask (Dust proof mask)	ISO 16975: Disposable N95 or FFP2 class mask; elastic bands; nose clip for sealing; replace after use	Each		100.00	
5	Safety Shoes & Toes	EN ISO 20345, requiring a toe cap to withstand a minimum 200-joule impact and 15 kilonewtons (kN) of compression Steel toe cap; anti-slip, oil-resistant sole; leather upper; ankle support for shoes only	Each		35.00	
6	Safety Harness Belt	ISO 10333: High-tenacity polyester webbing, minimum width 45mm; adjustable shoulder and thigh straps with metal buckles; dorsal D-ring for fall arrest, side D-rings for positioning; and chest strap with quick-connect buckle; Renowned Brand	Each		3.00	
7	Protective Goggles	ISO 16321: Anti-fog, scratch-resistant; side shielding for wrap-around protection; adjustable strap	Each		10.00	
8	Ear Plugs	ISO 4869-1: Soft polyurethane foam; noise reduction rating (NRR) of 30 dB or more	Each		20.00	
Health Safety Environment Materials / Testing						
9	First Aid Kit	ISO 7010-E003: Painkiller, eyewash solution, antibiotic ointment, thermometer, plasters, sterile gauze, dressings, sterile eye dressings, triangular bandages, crepe rolled bandages, safety pins, disposable sterile gloves and tweezers), pain killers, burn creams, pyodine solution (big bottle), other medication as required by tehsil team is adequate size and quantity	Each		1.00	
10	Warning / Safety Signs	ISO 7010: Weatherproof PVC or Plastic or aluminum signs; reflective print; standardized colors and pictograms (danger, caution, mandatory)	Each		25.00	
11	Green Mesh	Green safety netting for site periphery; 50% shading; UV-stabilized HDPE material.	S.ft		200.00	
12	DCP Fire Extinguisher (Dry Chemical Powder)	ISO 7165: 6-kg; ABC type; The extinguishing agent is mono ammonium phosphate and ammonium sulphate powder and the discharge time of the agent is 13 second	No.		1.00	
13	CO ₂ Fire Extinguisher	ISO 7165: 5 kg; frost-free horn; suitable for electrical and liquid fires; discharge time of the agent in 13 second)	No.		1.00	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (SHARAQI) TEHSIL SHUJABAD						
Bill No. 3: ESMP Cost						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
14	Fire Alarm	ICS 13.030.10: Proper segregation, PPE for handlers, timely removal, recordkeeping per solid waste rules	No.		2.00	
15	Trapuline	Waterproof tarpaulin sheet made from polyethylene or canva	Sq.ft		30.00	
16	Safety Cones	UV-resistant PVC or rubber material; at least 28 to 36 inches in height; high-visibility orange color with reflective collars (minimum 4-inch reflective band) for day and night visibility			12.00	
17	Tree Plantation	5-6 feet height; Native species plantation; soil preparation and watering included	No.		100.00	
18	Barricading / Fencing (Reflective tape, poles, safety mesh/netting)	ISO 13857: Includes poles, reflective tape, plastic mesh netting; minimum 3 feet height; durable and visible	Rft		300.00	
19	Trainings	HSE Training, Rescue Training, Labour Code of Conduct, Environmental Code of Conduct, Defensive Driver Trainings, Labour Laws and Labour Rights, GAP Training, C-ESMP Training and anyother as required by E&S wing	Quarterly		4.00	
20	Water Sprinkling	Water sprinkling through tank mounted on tractor	Per Trip		30.00	
21	Medical Screening for Workers	CBC, Anti HCV, HBsAG, HIV, RPR, LFTs, RFTs etc.	Persons		30.00	
Environmental Testing and Monitoring						
22	Ambient Air Quality Monitoring	As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
23	Groundwater Quality Test	As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
24	Surface Water Quality Test	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
25	waste Water Quality Test	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
26	Noise Level Monitoring	(As per the parameters and methodology defined by EPA (Quarterly in every village)	Each		3.00	
Site Specific / Contractors Environmental and Social Management Plan						
27	CESMP Formulation	By an individual or firm as approved by PRMSC Environment Wing	per village		1.00	
HSE Staff						
28	HSE Supervisor	Bachelor's degree in Environmental Sciences / Engineering , NEBOSH or IOSH certification will be preferred, with over one year of experience in Occupational Health and Safety, one HSE person for 10-15 village, hiring of HSE staff will be approved by E&S prior to contract signing	Per month per village		12.00	

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (SHARAQI) TEHSIL SHUJABAD						
Bill No. 3: ESMP Cost						
Sr. No.	Item Description	ISO / Standard Code / Description	Unit	Unit Rate (Rs)	Quantity (Per Village)	Amount (Rs)
Waste Management and House Keeping						
29	Handling and disposal of Hazardous Material	ICS 13.030.30: Safe storage, labeling, and transportation; spill kits and secondary containment as per MSDS	3 times per village for duration of contract		3.00	
30	Handling and disposal of Solid Waste Material	ICS 13.030.10: Proper segregation, PPE for handlers, timely removal, recordkeeping per solid waste rules	3 times per village for duration of contract		3.00	
Total ESMP Implementation Cost (PKR)						

Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP), Cluster South-II (Alipur, Shujabad & Taunsa) (Phase-1)						
SKINDERABAD (GHARABI) TEHSIL SHUJABAD						
Bill No.6: Employer Facilities Detailed Estimate						
Sr. No.	Ref. MRS	Description	Unit	Quantity	Unit Rate (Rs)	Amount (Rs)
1		Providing and maintaining site offices (portable air condition (1,5 ton AC) cabin containers lined with win board size 20'x8'x8.5' with toilet & kitchen, all-time availability of water and electricity) for the entire duration of the project to the Employer and the Engineer. It includes office tables, chairs, water dispenser, electric heater, steel almirah for document storage, etc complete with all respect. After completion of the project these containers and all accessories will be the property of PRMSC	Nos	1.0		
2		Providing 02 Nos office boy in accordance with the special provisions of the bidding document and up to the satisfaction of the Employer/Engineer.	Per month	20.0		
3		Providing and maintaining the Cost of Utility Services (Electricity, Water, Gas, etc.) for the 01 No. office.	Per month	20.0		
					Total Amount	
					Required No.s	1
					Grand Total	