



OFFICE OF THE SUPERINTENDING ENGINEER,
PUBLIC HEALTH ENGINEERING DEPARTMENT, AJMER CIRCLE
NEAR LOHA KHAN TEMPO STAND, AJMER

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Name of Work: "WORK OF PROVIDING, LAYING, JOINTING, TESTING AND COMMISSIONING OF PIPELINE, CONSTRUCTION OF 2 NOS. RCC CWR/GLR OF CAPACITY OF 100 KL, CONSTRUCTION OF PUMP HOUSE WITH EMI WORKS WITH ELECTRIC SUBSTATION ON SINGLE RESPONSIBILITY BASIS TURNKEY JOB FOR WATER SUPPLY SCHEME CHILLA-JINDA MADAR SHAH, AJMER WITH DEFECT LIABILITY PERIOD FOR 2 YEARS."

Contract No: NIT NO. 21/2013-14, Issued by Superintending Engineer, PHED, Circle Ajmer

Work awarded to

M/s Sultan Ahmad Mansuri, 1540, Behind Kalpa Varksha, Loha Khan, Ajmer

Work order No. F ()/Ar.MP/2013-14/12325-328 Dated 23.3.2013 of Additional Chief Engineer, PHED, Region Ajmer

ABSTRACT OF COST

Sl. No.	Item Description	No.or Qty.	Schedule Amount	Approved Rate	Amount
1.00	PART-'A' BSR ITEMS	1.00	5015782.28	57.86% Above	7917913.91
1.00	PART-'B' NON BSR ITEMS	1.00	H-Schedule	quoted rate	15440000.00
				Total Amount	23357913.91
				Discount @2.40% on above quoted rate (-)	560539.9338
				Net Amount of Work order	22797323.97
				Say Rs.	22797324.00

(In word Rs. Two Crore Twenty Seven Lac Ninty Seven Thousand Three hundred Twenty Four Only)

PART A - BSR ITEMS

	QUOTED RATE	Excess (+)	57.86 %
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SCHEDULE OF WORKS

Sl. No.	Description of work	No.or Qty.	Unit	Rate	AMOUNT Rs. P.
1.00	Proving, Laying & Jointing of DI K-7 Pipe with Specials & MS pipes PHED BSR PART - "A" (PHED BSR)				
1.00	Providing, Laying & Jointing of DI socketed pipes (with cement mortar lining) class K-7 with rubber ring joints including fixing of special, valves, fire hydrant and interconnecting the laid line with new/existing pipe line etc. this includes taking delivery of material from PHED store and carting to site with all lead. Laying & Jointing also includes sectional testing and commissioning of pipe line as per specification,submitting completion drawing as per direction of Engineer-in-Charge (excluding earth work)				
1.01	150mm DI K-7	800	Mtr.	1373.85	1099080.00
2.00	Fabrication and supply at site of MS Specials plain ended/ flange as per drawing & specifications of Engineer in change and inclusive of handling and labour charges using MS sheet./ flange/pipe of minimum thickness 5.00 mm thickness by cutting, welding, and grinding etc. complete water tight by double run welding and a coat of approved steel primer wherever required by Engineer-in-Charge				
2.01	With Material	600	Kg.	66.00	39600.00

32

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3.00	Earth Work for laying & jointing of pipe line (Part -B)- PWD BSR-2012				
3.01	Earth Work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 Mtr. Including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposal of surplus excavated soil as directed within a lead of 50 Mtr.				
3.02	All kinds of Soil	100	Cum	116.00	11600.00
3.03	Earth Work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 Mtr. Including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposal of surplus excavated soil as directed with in a lead of 50 Mtr. including stacking of useful material if available				
3.04	Ordinary Rock	350	Cum	278.00	97300.00
3.05	Hard Rock (Blasting Prohibited) useful material 30%	100	Cum	485.00	48600.00
3.06	Dismantling / Diggingout entire Road wearing coat or Bituminous surface including removal of dismantled material upto 50 Mtr. Lead.	40	Cum	304.00	12160.00
3.07	Diggingout entire WBM surface including sorting out serviceable material if stacking and removal of rubbish upto 50 Mtr. Lead.	40	Cum	68.00	2720.00
3.08	Carriage of Cement, Stone blocks pipes and other heavy materials from depth store to site of work lead taken beyond 5 Kms. Add for each 1 Km beyond 10 Kms (upto 20 Kms)	40	MT	62.30	2492.00
3.09	Demolishing Cement Concrete including disposal of material within 50 Mtr. lead :				
3.10	1 : 2 : 6 or richer mix	30	Cum	290.00	8700.00
3.11	Demolishing Cement Concrete including disposal of material within 50 Mtr. lead :				
3.12	1 : 4 : 8 or leaner mix	30	Cum	283.00	8490.00
3.13	Providing and laying Cement Concrete including curing compaction etc complete in specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
3.14	M-15 grade Nominal mix (with graded stone aggregate 20 mm nominal size)	150	Cum	3211.00	481650.00
3.15	M-10 grade Nominal mix (with graded stone aggregate 20 mm nominal size)	40	Cum	2795.00	111800.00
3.16	1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	40	Cum	2204.00	88160.00
3.17	Random Rubble stone masonry for foundation and plinth in cement sand mortar above 30 cms thick wall in :				
3.18	Cement Mortar 1 : 6 (1 - Cement : 6 - Sand)	5	Cum	1705.00	8530.00
3.19	Plaster on new surface of walls in cement sand mortar 1 : 4 including racking of joints etc. complete fine finish : 25 MM Thick	30	Sqm.	167.00	5010.00
3.20	Centring and shuttering with plywood and steel sheet including strutting, propping bracing both ways with wooden members and removal of formwork for upto floor three level for:	750	Sqm.	119.00	89250.00
3.21	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	30	Sqm.	202.00	6060.00

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3.22	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for M-20				
3.23	M20 Grade nominal mix (with graded stone aggregate 20mm nominal size)	60	Cum	4388.00	263280.00
3.24	M15 grade nominal mix (with 20mm nominal size)	100	Cum	3904.00	390400.00
3.25	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level.				
3.26	Cold twisted deformed bars (IS : 1786)/Hot rolled deformed bars (IS:1139)	10000	Kg.	75.00	750000.00
4.00	Provision for Construction of Pump House (PWD BSR 2012)				
4.01	E/W in excation in fdn trenches or drains incl. dressing of sides and ramming out the exvacated soil and depositing, refilling of jhries with watering and disposal of surplus soil as directed within a lead of 50 mtr.				
4.02	All types of soil	40	CUM	116.00	4640.00
4.03	Earth work in excavation in foudation trenches or drains including dressing of sides and ramming of bottoms, lift up to 1.5 Mtr. Including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. including stacking of useful material if available.				
4.04	Ordinary rock	25	Cum	273.00	6950.00
4.05	P & Laying in postion cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering-all work up to plinth level.				
4.06	M10 grade Nominal Mix (with graded stone aggregate 40mm nominal size).	9	CUM	2784.00	25056.00
4.07	P & Laying in postion cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering-all work up to plinth level.				
4.08	M15 grade Nominal Mix (with graded stone aggregate 20mm nominal size).	2	Cum	3211.00	6422.00
4.09	Random Rubble stone masonry for foundation and plinth in Cement sand mortar above 30cm thick wall in :				
4.10	Cement Mortar 1:6 (1-cement:6 sand)	60	Cum	1706.00	102360.00
4.11	Providing and laying damp-proof course with cement concrete grade M-150 (1:2:4) mortar prepared with 1% solution of water-proof compound including two coats of hot blown bitumen (2 Kg. per Sqm) complete as per specification with glass strip 3mm thick at a distance of 1m. interval.				
4.12	75mm thick	10	Sqm.	340.00	3400.00
4.13	Random Rubble stone masonry for superstructure above plinth level one storey height above 30cm. Thick walls in :				
4.14	Cement Mortar 1:6 (1-cement:6 sand)	65	Cum	2109.00	137085.00
4.15	Wall upto 30cm. And less thickness.	65	Cum	135.00	8775.00

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4.16	Brick work in partition in super structure upto third storey 7cm. thick (brick on edges) using bricks of class designation 75 in :				
4.17	Cement mortar 1:6 (1 cement : 6 coarse sand)	12	Sqm.	262.00	3144.00
4.18	P & F 30 to 40 mm thick stone chajjas in cement sand mortar 1:4 including making gola at junction with wall in cement concrete M-15 grade (1:2:4 nominal mix), drip course :				
4.19	20mm thick plastering in CM 1:6 on both faces.	6	Sqm.	587.00	3522.00
4.20	Providing dab stone over chajjas duly fixed in cement sand mortar 1:6 complete :				
4.21	50 mm thick	4	Sqm.	577.00	2308.00
4.22	S & F stone lintels/bed plates of approved quarry rough dressed in cement mortar 1:4:				
4.23	Upto 15 cm. thick	1	Cum	6032.00	6032.00
4.24	S & F in walls machine cut and polished stone shelves, bands and sills in CM 1:3 with machine cut edges :				
4.25	Kota stone 25 to 30mm thick.	4	Sqm.	507.00	2028.00
4.26	P & laying in position specified grade of cement concrete for RCC structural elements upto floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement :3 coarse sand) & making good the joints excluding the cost of centering, shuttering & reinforcement for.				
4.27	Beams suspended floor, roofs, girders, having slopes up to 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases & spiral staircases.				
4.28	M20 grade Nominal Mix	10	Cum	4777.00	47770.00
4.29	Centering and shuttering with plywood or steel sheets including strutting, propping bracing bothways and removal of formwork for upto floor three level for.				
4.30	Suspended floors, roofs landings staircases, balconies, girders, cantilevers, bands, coping bed plated, anchor blocks, sills, chhajjas, lintel, beam etc.	60	Sqm.	202.00	12120.00
4.31	Cement concrete flooring grade 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate) rounding off edges etc. but excluding the cost of nosing of steps etc. complete:				
4.32	50mm thick with 20mm thick nominal size aggregate.	54	Sqm.	264.00	14256.00
4.33	Providing glass strips in joints of terrazo/cement concrete floor :				
4.34	40mm wide and 4mm thick.	24	Mtr.	25.00	600.00
4.35	P & F T-iron frames for doors, windows and ventilators and mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement:3coarse sand:6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	60	Kg.	79.00	4740.00

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4.36	P & F steel glazed doors windows and ventilator shutters of standard rolled steel section joints mitred and welded with steel lugs 13x3mm, 10cm long embedded in cement concrete block 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws with fixing clips or with bolts and nuts as required including providing and fixing of plain glass panes 4mm thick with cooper glazing clips and special metal sash putty of approved make or metal beading with screws complete including priming coat of approval steel primer, excluding the cost of metal beading and other fittings except necessary hinges of pivots steel handles peg stay etc. as required:				
4.37	Partly fixed and partly openable [fixed area not to exceed 33%]	12	Sqm.	1512.00	18144.00
4.38	P/F tiles over roof fixed in 25mm thick cement mortar 1:4 bed complete.				
4.39	20mm thick terrazo tiles over roofing including cutting, grinding with machine complete.	54	Sqm.	357.00	19278.00
4.40	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor three levels.				
4.41	Thermo-mechanically Treated bars (Conforming of relevant IS code).	902.8	Kg.	75.00	67706.25
4.42	P & F M.S. sheet single leaf door shutter in angle iron frame 35x35x5mm suitably diagonally braced with 25x3mm flat iron above and below lock rail of size 50x5mm beading extra including all fittings, as per direction of Engg. in charge but excluding cost of chowkhat: including two coats of anti-corrosive red oxide primer paint.				
4.43	M.S. sheet 20 S.W.G. (Add extra for double leaf)	2.52	Sqm.	1851.60	4666.03
4.44	Plaster on new surface on wall in cement sand mortar 1:6 including raking of joints etc. complete fine finish:				
4.45	25mm thick.	550	Sqm	143.00	78650.00
4.46	6mm thick cement plaster to ceiling of mix 1:3 (1-cement : 3-fine sand)	54	Sqm.	96.00	5184.00
4.47	P & F square bars or other flat welded to window, ventilations etc.	50	Kg.	68.00	3400.00
4.48	S & F fixed wire gauge of 14 mesh X 24 gauge to the metal frame of rolled section by metal beading 20x3mm with suitable screw at not exceeding 150mm distance.	12	Sqm.	512.00	6144.00
4.49	Painting with ready mix paint of approved brand and manufacture in all shades to give an even shade:				
4.50	New steel work (two or more coats).	35	Sqm.	37.00	1295.00
4.51	Random rubble dry stone Kharanja under floor	15	Cum.	445.00	6675.00
4.52	Finishing wall with water proofing cement paint of approved brand and manufacture and or required shade to give an even shade including all scaffolding:				
4.53	New Work (three or more coats)	275	Sqm.	49.00	13475.00
4.54	P & F rigid PVC pipe (IS:4985 mark; class III/ (4Kg /Cm ² .) approved quality/make including joining the pipe with solvent cement rubber ring and lubricant.				
4.55	110 mm dia	20	Mtr.	177.00	3540.00
4.56	P/F rigid PVC pipe fitting class II approved quality & make incl. joining the pipe with solvent Cement				
4.57	Bend 110 mm	4	Each	123.00	492.00
4.58	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including all scaffolding:				
4.59	New work (two or more coats) over and including scrapping and priming coat with cement primer.	270	Sqm.	45.00	12150.00

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4.60	Polished blue kota stone flooring skirting, llaid over 20mm thick base of C.M. 1:4 and jointed with grey cement slurry to match the shade of the slab including rubbing and polishing complete :				
4.61	For area of each slab upto 901 to 2000 Sq. Cm:				
4.62	40mm thick slab.	32	Sqm.	806.00	25792.00
4.63	P & F anodized aluminum work (Anodizing to be got done from approved Anodizer) for doors, windows, ventilators and partition with extruded built up standard tubular and other sections of approved make conforming to IS:733& IS:1285 anodized transparent 81 dyed to required shade according to IS: 1868. (Minimum anodic coating of grade AC 15); fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gap at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium section shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws Al. Tower bolt & Al. Aldrop etc., all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and paneling to be paid for separately).				
4.64	For fixed portion	13	Kg.	340.00	4420.00
4.65	For shutters of openable doors, windows and ventilators including P & F hinges/rollers etc. and making provision for fixing of fittings wherever required (locks shall be paid for separately)	40	Kg.	391.00	15640.00
4.66	P & F glazing in aluminium door, window, ventilator shutters and partitions etc. with PVS/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item)				
4.67	With glass panes of 5.0mm thickness (weight not less than 13.75 kg/sqm) as per IS: 2835	6	Sqm.	783.00	4698.00
4.68	P & F brass locks without handle for Aluminium door, of approved quality, make and design as directed by Engineer-in-Charge.	1	Each	297.00	297.00
4.69	P & F Indian type white glazed vitreous china 1st quality W.C orissa pan (I.S.: 2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor:				
4.70	Size 580*440mm.	1	Each	1378.00	1378.00
4.71	P & F WVC Foot- rest (IS: 2556 Mark), including cutting and making good the the floor size:				
4.72	250*130**3mm.	1	Pair	200.00	200.00
4.73	P & F 1st WVC Urinal (IS.2556mark) with 25mm dia G.I waste pipe, dome couplings, concealed iron brackets or screws etc complete.				
4.74	Flat Back (small) size 440*265*315mm.	1	Each	781.00	781.00
4.75	P & F WVC wash basin (1st quality, E.S. : 2556 Mark) of approved make with C.I brackets duly painted, 1 No. 15mm C.P. Pillar cock (I.S.: 8934 Mark) & 32mm. C.P. brass waste coupling of approved make, 25mm G.I. waste pipe complete including cutting & making good the wall				
4.76	Size 450 mm*300 mm	1	Each	1528.00	1528.00
4.77	P & F PVC Storage Tank (IS : 12701marked indicating the BIS license No.). Of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 G.I. Over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design.				
4.78	50u (do-)	1	Each	2543.00	2543.00
4.79	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make:				
4.80	Gun-metal 15mm nominal bore.	3	Each	358.00	1074.00
4.81	PVC pipe with C.P. Brass nuts upto length, 300mm.	2	Each	71.00	142.00
4.82	P & F Ball Cock (IS:1703 Mark) with Rod & P.V.C Ball complete:				
4.83	Bass wt.400 gm, 15mm.	1	Each	250.00	250.00

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4.84	P & F Stop Cock (Is:8931 Mark), superior quality & of approved make:				
4.85	Brass 400 gm, 15mm nominal bore.	2	Each	239.00	478.00
4.86	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:				
4.87	Brass 400 gm, 15 nominal bore.	3	Each	239.00	717.00
4.88	P & F G.I. pipes (Internal Work) with G.I fittings (IS:1239) & MS clamps including cutting and making good the walls and floors:				
4.89	Concealed pipe in wall including with anticorrosive bitumen paint				
4.90	15 mm dia nominal - B class	30	Mtr.	143.00	4290.00
4.91	20mm(do-) - B - Class	20	Mtr.	174.00	3480.00
4.92	P & F G.I. pipes (External Work) with G.I. fittings (IS: 1239 Mark) including trenching & refilling earth etc.				
4.93	15 mm-dia nominal bore (B class)	10	Mtr.	128.00	1280.00
4.94	20mm-(do) (B Class)	5	Mtr.	155.00	775.00
4.95	Making connection of G.I. distribution branch with G.I. main including all fitting.				
4.96	Upto 25mm dia	1	Each	174.00	174.00
5.00	Provision for electrical items (PWD ELECTRICAL BSR 2012)				
5.01	Providing, Laying, Testing, & Commissioning of armoured PVC cables of 1.1 KV rating ISI marked as per IS 1554 inclusive of terminals, connectors, cable glands, etc. as applicable and as directed by the engineer. (To be laid on surface by means of screws, rag bolts MSU clamps, as per approved spacing)				
5.02	120mm ² , 3.5 core	40	Mtr.	505.00	20200.00
5.03	240 mm sq., 3.5 Core	60	Mtr.	895.00	53700.00
5.04	Plate Earthing (of panel board and motors) as per IS 3043 with G.I. Earth Plate of size 600X600X6 MM by embodying 3 to 4 Mtr below the ground level with 20 MM dia G.I. B Class watering pipe including all accessories like nut, bolts, reducers, nipples, wire mesh funnel and CC finished chambers covered with hinged type with locking arrangement CI cover, CI frame of size 300X300MM complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required. (E150200, page no 82)	3	Each	2970.00	8910.00
5.05	Supply and laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles making connections etc. as required (E150500, E150504, E150511 page no 82)				
5.06	6 SWG GI wire	20	Mtr	12.00	240.00
5.07	50 MM X 6 MM GI Strip	70	Mtr	194.00	13580.00
6.00	Transformer & Electrical sub station works				
6.01	PART-"A"-PWD BSR (Building) 2012				
6.02	Demolishing cement concrete including disposal of material within 50 meters lead				
6.03	1:3:6 or richer mix	5	Cum	290.00	1450.00
6.04	Dismantling stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 50 meters leads.				
6.05	In cement mortar	3	Cum	337.00	1011.00
6.06	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish.				
6.07	25 mm thick	15	Sqm	143.00	2145.00
6.08	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift up to 1.5 mtr. including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter :				
6.09	All kind of soil	10	Cum	116.00	1160.00
6.10	Hard rock (blasting prohibited) useful material 30%	10	Cum	486.00	4860.00
6.11	Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints excluding the cost of centering shuttering and reinforcement :				
6.12	M-20 grade nominal mix	4	Cum	4388.00	17552.00

6.13	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering-All work up to plinth level				
6.14	M25 grade Nominal Mix (with graded stone aggregate 20 mm nominal size)	5	Cum	4719.00	23595.00
6.15	M15 grade Nominal Mix (with graded stone aggregate 40 mm nominal size)	5	Cum	3211.00	16055.00
6.16	Providing and laying in position specified grade of cement concrete for RCC structural element upto floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement : 3 coarse sand) and making good the joints excluding the cost of centering, shuttering and reinforcement for :-				
6.17	Beams, suspended floors, roofs, girders having slopes upto 150, landings, balconies, shelves, chajjar, lintels, bands, plain windows sills, staircases and spiral staircases :				
6.18	M25 grade Design Mix	5	Cum	5756.00	28780.00
6.19	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with wooden members and removal of formwork for upto floor three level for :				
6.20	Suspended floors, roofs landing staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, stills, chhijas, lintel, beam etc.	20	Sqm	202.00	4040.00
6.21	Random Rubble stone masonry for foundation and plinth in Cement Sand Mortar above 30 CM thick wall in :				
6.22	Cement mortar 1:6 (1 cement : 6 sand)	5	Cum	1706.00	8530.00
6.23	Extra over item No. 6.1 & 6.2 for :				
6.24	Wall upto 30 cm and less thickness	10	Cum	135.00	1350.00
6.25	Cement concrete flooring grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) rounding off edges etc. but excluding the cost of nosing of steps etc. complete :				
6.26	75 mm thick with 20 mm thick nominal size aggregate	12	Sqm	358.00	4296.00
6.27	Add extra if finished with a floating coat of neat cement including cement slurry, making of lines or grooves etc.	12	Sqm	31.00	372.00
6.28	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation in basements rafts, footings, straps beams, bases of columns etc. upto plinth level.	20	Sqm	113.00	2260.00
6.29	Random Rubble stone masonry for superstructure above plinth level one storey height above 30 cm. thick walls in :				
6.30	Cement mortar 1:6 (1 cement : 6 sand)	5	Cum	2109.00	10545.00
6.31	Wall upto 30 cm and less thickness	5	Cum	135.00	675.00
7.00	PART-"B" (PWD Elect. BSR, 2012)				
7.01	Supply & installation of D.P. Structure with Air break switch having following specifications.	1	Each	58000.00	58000.00
7.02	a) DP : double pole structure on 2 nos ISMB 125 mm 10 mtr high pole or 2 nos PCC pole 10 mtr high using 7 nos MS channel each of size 75 mm x 50 mm x 2500 mm complete in all respect with nuts, springs, washers, clamps as required				
7.03	b) GO: Off load type gang operated 3 pole vertical flute type switch suitable for 11 KV ; 400A, 3 O, central post rotating double break isolator complete with MS hardware, copper moving & fixed contact assembly of 9 nos pin insulator, GI pipe of suitable length for operation				
7.04	c) DO : 3 nos vertical / horizontal mounted 11 Kv horn gap fuse set /drop out 11 kv barrel fuses mounted on 6 no pin insulators.				
7.05	d) LA : 3 piece non linear resistor type lighting arrestor of approved make suitable for 3 wire , 11 kv on linewith rated voltage of 9 kv rms & nominal discharge current rating of 5 ka & complete with galvanized clamping arrangement GI bolts, nuts, washer etc as required.				
7.06	e) JUMPERS: 3 nos 11 kv acsr conductor mounted on pin type insulator as required.				
7.07	6 GENERAL ; The go shall be operated by hand operated liver properly earthed with provision for locking mounted at 3'				

7.08	P&Laying XLPEinsulated IS:7098/11/85 of group and approved make H.T cable for working voltage 11 K.V Earthed direct in ground including excavation of 30cm x100 cm size trench ,25 cm layer of river sand lind class brick covering refilling eafth compaction of earth making necessary connection testing etc				
7.09	3 core 120 sq.mm	50	Mtr.	874.00	43700.00
7.10	Supplying and drawing overhead steel core aluminium conductor (ACSR) ISI marked (IS 398 part-II 1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required as per DISCOM speciifcation 50 sqmm of (6+1) 3.35 mm (Rabbit)	80	Mtr.	45.00	3600.00
7.11	Supply and fixing of "V" type cross arms made of MS channel on the existing poles complete including all necessary nuts and bolts etc. with clamps as per DISCOM specification 11 KV cross arms (75x40x6.8 Kg/m)	2	No.	850.00	1700.00
7.12	S&F of 11 KV Danger plates as per specification of DISCOM on the existing poles complete in all respect as per DISCOM specification	2	Each	45.00	90.00
7.13	Supply and Fixing of top hamper on the existing pole complete including nut bolts etc. as required vertical type 11KV (0.7m long) (65x65x6 mm) angle	2	Each	315.00	630.00
7.14	S&F of PG clamps on overhead lines/jumpers made of Aluminium alloy 4600 of IS 617-1994 (with latest amendment if any) with steel nuts and bolts conforming to IS 1363-1992 & IS 1367-1979-80 (with latest amendments if any) all ferrous metals parts intended for outdoor use except those made of stainless steel shall be protected by hot dip galvanising in accordance with IS:2633-1986 complete in all respects as required for ACSR conductor (Weasel/Rabbit)	10	Each	55.00	550.00
7.15	S&F 100 ampere 11 KV horn gap fuse set IS 9385 on existing DP structure with 6 nos 24 KV/22 KV post insulator (IS:5350 part-III), not dipped hardware, fuse wire of required size etc. complete in all respect as per specification given by DISCOM (type tested by ERDA/CPR)	1	Each	6050.00	6050.00
7.16	S&F double pole structure for 11/0.4 KV substation as per DISCOM specification complete in all respect as required including nuts and bolts etc. (excluding the cost of poles) made of MS channel of 4 nos. 100x50x6 mm and 4 nos 75x40x6 mm and MS flat 50x6 mm as per DISCOM specification	1	Each	9570.00	9570.00
7.17	Provisin for Supply and Installation of Copper wound 3 Phase 11 KV/440 Volt Distribution Transformer of 250 KVA Rating	1	Each	420000.00	420000.00
7.18	Plate Earthing (of panel board and motors) as per IS 3043 with G.I. Earth Plate of size 600X600X6 MM by embodying 3to 4 Mtr below the ground level with 20 MM dia G I B Class watering pipe including all accessories like nut, bolts, reducers, nipples, wire mesh funnel and CC finished chambers covered with hinged type with locking arrangement CI cover, CI frame of size 300X300MM complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	2	Each	2970.00	5940.00
7.19	Supply and laying following size earth wire/strip in horizontal or vertical run in ground/surface/ree ss including riveting, soldering, saddles making connections etc. as required. (E150500, E150504, E150511 page no 82)				
7.20	6 SWG GI wire	20	R Mtr	12.00	240.00
7.21	50 MM X 6 MM GI Strip	70	R Mtr	194.00	13580.00
TOTAL OF BSR ITEMS					5015782.28
TENDER PREMIUM@ 57.86% ABOVE ON BSR ITEMS (+)					2902131.63
TOTAL AMOUNT					7917913.91
LESS: DISCOUNT @ 2.40% ABOVE DURING NEGOTIATION (-)					190029.9338
NET AMOUNT OF BSR ITEMS					7727883.98
SAY RS.					7727883.98

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PART B- NON BSR ITEMS					
Sl. No.	Description of work	No. or Qty.	Unit	Approved Rate	AMOUNT Rs. P
1	Non BSR Items				
1.0	Providing and fixing soft seated gate valve DI D/F resilient seated soft sealing gate valves (Sluice valve) with body bonnet of ductile cast iron of grade GGG 40/SG 400/12 or equivalent grade as per IS:3896 -part-II-1985 and subsequent revisions, wedge fully rubber lined with EPDM and seals of NBR and the valves should be of vacuum tight and 100% leak proof with face to face dimensions as per BSS 5163-89/IS14846-2000/DIN 3202 F4, excluding cost of jointing material. All the valves should be with electrostatic powder coating both inside and outside pocket less body passage. Drilled as per IS:1538.				
1.1	100mm PN 1.6	2	No.	16000.00	32000.00
1.2	150mm PN 1.6	2	No.	25500.00	51000.00
1.3	100mm (class PN 3.0 or as per design requirement)	2	No.	45000.00	90000.00
1.4	150mm (class PN 3.0 or as per design requirement)	2	No.	60000.00	120000.00
2.0	Providing & supplying of DI specials for fixing in pipe line as per relevant ISS and as per direction of Engineer-in-Charge required as per site condition.	100	Kg.	110.00	11000.00
2.1	Providing and fixing horizontal centrifugal pump multi stage set with TEFC IP-55, 415 volts squirrel cage induction motor as per IS 325 with overall efficiency not less than 62% and speed not more than 1500 RPM and pump manufacture and design as per IS 6595 having following duty conditions with transportation, loading, unloading and all prevailing taxes and supplied with base plate, foundation bolt, coupling, test reports and performance curves for delivering the required flow at designed head complete in all respect., including the construction of foundation cement concrete blocks as per prescribed norms of manufacturer for the above pumps.				
2.2	22.22 LPS Discharge & 325 m Head	2	No.	1700000.00	3400000.00
3.0	Supply, Installation, Testing and Commissioning of Electrical Control Panels with MCCB Protection cum Control centre, Electrical Soft Starters and capacitors with ATFC Relay (for automatic power factor correction bank) at following pumping stations as per detailed specifications, SLD, drawings and as directed by the Engineer-in-charge.				
3.1	for operating 2 nos of Motors 160 KW each	1	No	950000.00	950000.00
4.0	Providing, lowering, laying, aligning, fixing in position and jointing in pipe line, dual plate check valves as per API:594 and API:598 of PN 3.0 rating of following dia (excluding jointing and jointing material), including all material, labour, testing and commissioning as per Technical Specifications and as per direction of Engineer incharge.				0.00
4.1	106 mm dia	6	No	18000.00	108000.00
5.0	Providing and fixing of surge protection device(s) as per report of surge analysis /design, approved by EIC.	1	Job	200000.00	200000.00
6.0	Supply, Installation, fabrication by cutting and welding, Testing and Commissioning of MS Pipes & Specials including providing Epoxy Paint to internal & external surfaces of 250 microns DFT to all MS pipes and specials (including jointing and jointing material). Pipe work includes tapers, specials, flange joints, pipe and valve support concrete blocks, and other minor civil works etc. required for suction/delivery side of pumps (with min wall thickness as 8mm at pump suction side and 14mm at delivery side) as per detailed specifications & as directed by the Engineer incharge.				
6.1	200/150 mm dia	1000	kg.	110.00	110000.00
6.2	Providing, installation, testing and commissioning of glycerin filled Pressure gauge of following ranges with isolation valve and tap off pipe complete in all respect as per technical specification and as per direction of Engineer 0 to 50.0 kg/cm ²	4	No	12000.00	48000.00

7.0	Providing and Fixing of Fabricated MS dismantling joints for the installation of CI D/F Sluice valves complete with Rubber gasket and nut bolts etc.				0.00
7.1	150mm dia PN 3.0	6	No	25000.00	150000.00
8.0	Providing of MS Flanges in accordance with IS.6392 - 1971 or its latest revision, suitable for welding with MS Pipes of various sizes.				
8.1	100 mm dia PN 3.0	2	No	2500.00	5000.00
8.2	150 mm dia PN 3.0	4	No	4000.00	16000.00
8.3	200 mm dia PN 3.0	4	No	6000.00	24000.00
9.0	Construction of RCC CWR of 100 KL capacity at Madar Tekri, as per approved drawing and design submitted by contractor including providing and fixing of CI D/F pipes, puclal collars, valves etc with plinth protection work complete job as per specifications.	1	No	1025000.00	1025000.00
10.0	Construction of RCC GLR of 100 KL capacity at Chiila Jinda Shah, as per approved drawing and design submitted by contractor including providing and fixing of CI D/F pipes, puclal collars, valves etc with plinth protection work complete job as per specifications.	1	No	3150000.00	3150000.00
11.0	Providing, Laying & Jointing of MS fabricated pipes (with 14mm thickness) class as IS code with welding on site with fixing of special, valves, fire hydrant and interconnecting the laid line with new/existing pipe line etc. this includes taking delivery of material from PHED store and carting to site with all lead. Laying & Jointing also includes sectional testing and commissioning of pipe line as per specification, submitting completion drawing as per direction of Engineer-in-Charge i/c construction of RCC pillars as per approved drawing at every 5.0 mtr distance or as reqd				
11.1	150mm ms pipe(14mm thick)	850	Mtr.	7000.00	5950000.00
TOTAL OF NON BSR ITEMS					15440000.00
LESS: DISCOUNT @ 2.40% ABOVE DURING NEGOTIATION (-)					370560.00
NET AMOUNT OF BSR ITEMS					15069440.00

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