

## Rajasthan Urban Sector Development Investment Program

ADB LOAN No. 2366 - IND

Bid Invitation Number : RUIDP/NCB-IR/01

Price Bid Evaluation of Package No. ALW-JHL/WS-01 (Lot 1)

Name of Work : Replacement of In-Efficient Pumping Machinery of Pump Houses and Tube Wells including Electrical Equipments, Replacement of Riser Pipes and Submersible Cables in Tube wells, Providing and Installation of Chlorination Equipment etc. in Alwar

Engineer's Estimate: Rs. 3,26,34,272

## Price Bid Evaluation

S.No.	Particulars	Unit	Quantity	Engineer's Estiamte			2/2 Dynamic Elecpower Pvt. Ltd. Bhilwara JV With Megha Engineering Enterprises Hyderabad			% Variation from Engineer's Estimate
				Unit Rate	Amount	% of works	Discounted Unit Rate	Amount after discount	% of works	
1	2	3	4	5	6 = 4 x 5					
1	Supply, Installation, Testing and Commissioning of Centrifugal Pumps with corresponding energy efficient electric motor, base plate and all accessories for following discharge & total head as per detailed specifications & as directed by the engineer.									
a	125 LPS Discharge & 32 m Total Head at 1450 RPM	Nos	2	567,100	1,134,200	3.59	340,000.00	680,000.00	2.01	-40.05
b	70 LPS Discharge & 32 m Total Head at 1450 RPM	Nos	15	370,600	5,559,000	17.57	297,500.00	4,462,500.00	13.17	-19.72
c	41 LPS Discharge & 32 m Total Head at 1450 RPM	Nos	2	254,300	508,600	1.61	170,000.00	340,000.00	1.00	-33.15
2	Supply, Installation, Testing and Commissioning of Electrical Starter Panels for pumping stations as per detailed specifications, SLD, drawings and as directed by the engineer.				0	0.00	-	-	-	
a	Panel for operating 2 nos of 50 KW Motor	Nos	1	96,500	96,500	0.31	127,500.00	127,500.00	0.38	32.12
b	Panel for operating 6 nos of 25 - 40 KW Motor	Nos	1	202,000	202,000	0.64	255,000.00	255,000.00	0.75	26.24
c	Panel for operating 3 nos of 25 - 40 KW Motor	Nos	1	101,000	101,000	0.32	127,500.00	127,500.00	0.38	26.24
d	Panel for operating 2 nos of 25 - 40 KW Motor	Nos	9	69,000	621,000	1.96	68,000.00	612,000.00	1.81	-1.45
e	Panel for operating 2 nos of 15 - 20 KW Motor	Nos	5	55,000	275,000	0.87	42,500.00	212,500.00	0.63	-22.73
3	Supply, Laying, Testing, & Commissioning of 3 core armoured PVC cables 1.1 KV rating as per IS 1554 inclusive of terminals, connectors, cable glands, etc. as applicable and as directed by the engineer.				0	0.00	-	-	-	
a	35 mm <sup>2</sup>	RM	30	314	9,409	0.03	215.90	6,477.00	0.02	-31.16
b	25 mm <sup>2</sup>	RM	250	256	63,901	0.20	178.50	44,625.00	0.13	-30.17
c	16 mm <sup>2</sup>	RM	30	203	6,075	0.02	140.25	4,207.50	0.01	-30.74
d	10 mm <sup>2</sup>	RM	90	180	16,225	0.05	127.50	11,475.00	0.03	-29.28
4	Dismantling of Existing Pumpset, baseplate, valves, piping etc. and transpotation of all dismanteled material upto PHED store and handing over to PHED etc. complete job as directed by the engineer.	Each Job	19	1,000	19,000	0.06	4,250.00	80,750.00	0.24	325.00
5	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer. Cement Concrete Grade M-15 & M-20 and PCC blocks ( for 19 Pumps Total Qty = 1.5 x 19 = 28.5 m <sup>3</sup> )	cum	30	357	10,710	0.03	2,550.00	76,500.00	0.23	614.29
6	Construction of Pump Foundation Block in M:20 grade Cement Concrete nominal mix (with graded 20mm nominal size stone aggregate) including all cost of material, labour, shuttering T&P, foundation bolts etc. as per detailed specifications, drawings and as directed by the engineer. (Pump Foundation Block size 1.5m x 1.0 x 1.0m) ( for 19 Pumps Total Qty = 1.5 x 19 = 28.5 m <sup>3</sup> ) and 107 Feeder panel foundation blocks of 900x450x450mm size	cum	50	3,250	162,500	0.51	3,400.00	170,000.00	0.50	4.62

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7	Steel Centring and Shuttering at all levels including strutting, propping etc. and removal of form for :				0	0.00	-	-	-	
a	Foundations, footings, bases of columns, etc. for mass concrete	sqm	100	105	10,500	0.03	106.25	10,625.00	0.03	1.19
b	Suspended floors, roofs, landings, balconies and access platform	sqm	70	173	12,110	0.04	148.75	10,412.50	0.03	0.00
8	Providing, lowering, laying, aligning, fixing in position in pipe line, manually operated CI D/F Sluice valves of approved make (IS: 14846 amended upto date) PN 1.0 class of following dia complete (excluding jointing and jointing material) including all material, labour, testing and commissioning along with pipe line as per Technical Specifications and as per direction of Engineer.(Category A)				0	0.00	-	-	-	
a	125 mm dia	Nos	2	8,899	17,798	0.06	17,000.00	34,000.00	0.10	91.03
b	150 mm dia	Nos	15	10,651	159,765	0.51	21,250.00	318,750.00	0.94	99.51
c	200 mm dia	Nos	2	17,589	35,178	0.11	21,250.00	42,500.00	0.13	20.81
9	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 1.0 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. (Category A)				0	0.00	-	-	-	
a	80 mm dia	Nos	40	5,692	227,680	0.72	7,225.00	289,000.00	0.85	26.93
b	100 mm dia	Nos	10	5,843	58,430	0.18	7,650.00	76,500.00	0.23	30.93
c	125 mm dia	Nos	2	7,356	14,712	0.05	10,200.00	20,400.00	0.06	38.66
d	150 mm dia	Nos	15	10,078	151,170	0.48	17,000.00	255,000.00	0.75	68.68
e	200 mm dia	Nos	2	11,307	22,614	0.07	17,000.00	34,000.00	0.10	50.35
10	Designing, Supply, Installation, Testing and Commissioning of MS Pipes & Specials which includes providing Epoxy Paint to internal & external surfaces of 250 microns DFT to all MS pipes and specials. Pipe work includes tapers, specials, flange joints, pipe and valve support concrete blocks, and other minor civil works etc. required as per detailed specifications & as directed by the engineer.	Kg	4000	70	280,000	0.89	85.00	340,000.00	1.00	21.43
11	Supply, Installation, Testing and Commissioning of PN - 1.0 rating CI/ Flanged Foot Valves ISI marked as per detailed specifications & as directed by the engineer of the following dia.				0	0.00	-	-	-	
a	250 mm dia	Nos	6	20,428	122,569	0.39	34,000.00	204,000.00	0.60	66.44
b	300 mm dia	Nos	2	24,155	48,310	0.15	38,250.00	76,500.00	0.23	58.35
12	Providing and fixing in position CI Puddle collar (approx. 1m length) inside the wall including all material labour as per Technical Specifications and as per direction of Engineer.				0	0.00	-	-	-	
a	200 mm dia	Nos	2	19,772	39,544	0.13	8,075.00	16,150.00	0.05	-59.16
b	250 mm dia	Nos	13	25,516	331,708	1.05	8,925.00	116,025.00	0.34	-65.02
c	300 mm dia	Nos	2	31,715	63,430	0.20	10,625.00	21,250.00	0.06	-66.50
13	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 10.0 kg/cm <sup>2</sup>	Nos	26	758	19,708	0.06	2,125.00	55,250.00	0.16	180.34
14*	Supply, Installation, Testing and Commissioning of Submersible pumping sets suitable for 200 mm dia borewell for discharge range 300 LPM to 750 LPM and head 70m to 80m of specified make (IS: 8034-2002) as per detailed specifications & as directed by the engineer. (Make: KSB / Gunfos or equivalent)	KW	988	4,180	4,129,840	13.05	-	-	-	-19.70
a	300 LPM/ 70m	No.	34	0	0	0.00	23,800.00	809,200.00	2.39	
b	300 LPM/ 80m	No.	11	0	0	0.00	28,900.00	317,900.00	0.94	
c	300 LPM/ 90m	No.	6	0	0	0.00	30,600.00	183,600.00	0.54	

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d	400 LPM/ 95m	No.	30	0	0	0.00	29,027.50	870,825.00	2.57	
e	400 LPM/ 80m	No.	6	0	0	0.00	38,250.00	229,500.00	0.68	
f	600 LPM/ 80m	No.	9	0	0	0.00	55,250.00	497,250.00	1.47	
g	750 LPM / 70m	No.	2	0	0	0.00	51,000.00	102,000.00	0.30	
h	750 LPM / 80m	No.	6	0	0	0.00	51,000.00	306,000.00	0.90	
* Rate for the submersible pumping set are taken in KW for estimate purpose inteed of different duty condition.										
15	Unlowering of Submersible Pump set with all piping from a tubewell complete (labour charges only) including transportation of tripod, chain pulley block and other material etc. required and lowering of new pump in the tube well complete in all respect and transportation of old equipment etc. to PHED store as directed by the engineer.	Each Job	118	4,620	545,160	1.72	6,800.00	802,400.00	2.37	47.19
16	Supply and Testing and Commissioning of 3m length class B Double Flanged GI pipe as per IS 1239 for tubewell ISI mark riser pipe for submersible pump at site for following sizes									
a	65 mm dia	RM	1485	392	582,615	1.84	382.50	568,012.50	1.68	-2.51
b	80 mm dia	RM	1320	561	740,520	2.34	425.00	561,000.00	1.66	-24.24
17	Providing, Installation, Testing and Commissioning of Electric feeder panel for submersible pumpset (Automatic Star- delta Starter) as per drawings, SLD and detailed specifications including mounting on C.C. M15 1:2:4 platform of size 900mm x 450mm x 450mm as per detailed specification & as directed by the engineer.				0	0.00				
a	7.5 KW	Nos	57	24000	1,368,000	4.32	31,450.00	1,792,650.00	5.29	31.04
b	10 KW	Nos	42	25000	1,050,000	3.32	31,450.00	1,320,900.00	3.90	25.80
c	15 KW	Nos	7	27000	189,000	0.60	34,850.00	243,950.00	0.72	29.07
d	20 KW	Nos	1	30000	30,000	0.09	34,850.00	34,850.00	0.10	16.17
18	Supply, Laying & Testing of PVC insulated Submersible cable with copper conductor of superior quality including making connection etc. make as mentioned in specification & as					0.00				
a	i) 4 mm <sup>2</sup> , 3 core	RM	6000	87	522,000	1.65	191.25	1,147,500.00	3.39	119.83
b	ii) 6 mm <sup>2</sup> , 3 core	RM	2000	131	262,000	0.83	205.70	411,400.00	1.21	57.02
c	iii) 10 mm <sup>2</sup> , 3 core	RM	2000	207	414,000	1.31	340.00	680,000.00	2.01	64.25
19	Supply & Laying of GI pipe 'A' class IS 1239 as conduit for submersible cable external work, 40 mm dia complete in all respect.	RM	2000	193	385,000	1.22	178.50	357,000.00	1.05	-7.27
20	Earthing of panel board using G.I. clamp of size 50mm wide x 6 mm thick welded on casing pipe of TW and copper wire of 8 SWG. This includes excavation of trench, all hardware and material as per detailed specification & as directed by the engineer.	Nos	124	1,265	156,860	0.50	1,700.00	210,800.00	0.62	34.39
21	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 all lead and lift. All kinds of soil	m <sup>3</sup>	9000	69	621,000	1.96	272.00	2,448,000.00	7.22	294.20
22	Providing, lowering, laying in trenches, aligning, fixing in position and jointing socketed rubber gasket type ISI marked uPVC pipes of Class III (6 Kg/sqcm) suitable for potable water with rubber ring joints (as per IS 4985-2000) of following outer dia with all accessories (excluding specials) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer.									2.72
a	110 mm dia	RM	2950	222	654,900	2.07	255.00	752,250.00	2.22	14.86
b	140 mm dia	RM	4400	358	1,575,200	4.98	340.00	1,496,000.00	4.41	-5.03

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c	160 mm dia	RM	4300	446	1,917,800	6.06	425.00	1,827,500.00	5.39	-4.71
d	225 mm dia	RM	1500	890	1,335,000	4.22	1,020.00	1,530,000.00	4.51	14.61
23 *	Supplying Upvc Specials Class IV (10 kg/sqcm) as per IS 4985:2000, ISI marked, suitable for elastomeric sealing rings, with Rubber Rings EPDM as per IS 5382:1985, transporting to site, lowering in trenches, aligning, laying & jointing and field testing with the laid pipelines etc. complete work as per specifications. The bulk density of uPVC specials shall be 1.39 to 1.44 gm/cc. The total quantity of additives like plasticizers, stabilizers, lubricants & fillers shall not exceed more than 7%									
i)	<b>Double sockets</b>				0	0.00	-	-	-	-
a	110 mm dia	No.	20		0	0.00	51.00	1,020.00	0.00	
b	140 mm dia	No.	20		0	0.00	63.75	1,275.00	0.00	
c	160 mm dia	No.	20		0	0.00	76.50	1,530.00	0.00	
d	225 mm dia	No.	10		0	0.00	110.50	1,105.00	0.00	
ii)	<b>Double socket bends of 90 degree</b>				0	0.00	-	-	-	-
a	110 mm dia	No.	10		0	0.00	97.75	977.50	0.00	
b	140 mm dia	No.	10		0	0.00	229.50	2,295.00	0.01	
c	160 mm dia	No.	10		0	0.00	314.50	3,145.00	0.01	
d	225mm dia	No.	7		0	0.00	637.50	4,462.50	0.01	
iii)	<b>Double socket bends of 45 degree</b>				0	0.00	-	-	-	-
a	110 mm dia	No.	8		0	0.00	93.50	748.00	0.00	
b	140mm dia	No.	8		0	0.00	212.50	1,700.00	0.01	
c	160 mm dia	No.	8		0	0.00	306.00	2,448.00	0.01	
d	225 mm dia	No.	2		0	0.00	612.00	1,224.00	0.00	
iv)	<b>Double socket bends of 22.5 degree</b>				0	0.00	-	-	-	-
a	110 mm dia	No.	2		0	0.00	93.50	187.00	0.00	
b	140 mm dia	No.	2		0	0.00	212.50	425.00	0.00	
c	160 mm dia	No.	2		0	0.00	306.00	612.00	0.00	
d	225 mm dia	No.	1		0	0.00	612.00	612.00	0.00	
v)	<b>uPVC moulded Reducers and Tees ISI marked</b>				0	0.00	-	-	-	-
a	140 x 110	No.	2		0	0.00	110.50	221.00	0.00	
b	160 x 140	No.	4		0	0.00	119.00	476.00	0.00	
c	160 x 110	No.	2		0	0.00	97.75	195.50	0.00	
d	225 x 160	No.	2		0	0.00	212.50	425.00	0.00	
e	225 x 225 x 225	No.	2		0	0.00	191.25	382.50	0.00	
f	160 x 160 x 160	No.	2		0	0.00	170.00	340.00	0.00	
g	140 x 140 x 140	No.	2		0	0.00	148.75	297.50	0.00	
h	110 x 110 x 110	No.	2		0	0.00	85.00	170.00	0.00	
24	Providing, lowering, laying in trenches, aligning, fixing in position and jointing Ductile Iron (DI) ISI marked K-7 grade S&S pipes as per IS:8329-2000 (amended upto date), with internal cement mortar lining for potable water with rubber ring (EPDM/SBR) joints as per IS: 5382-1985 (excluding special accessories) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer.				0	0.00	-	-	-	-
a	200 mm dia	RM	200	1,712	342,400	1.08	2,125.00	425,000.00	1.25	24.12
b	300 mm dia	RM	100	2,482	248,200	0.78	2,720.00	272,000.00	0.80	9.59

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25	Supply, Lowering, Laying, Jointing, Testing and Commissioning of K-12 Ductile Iron specials and fittings as per IS 9523 & detailed specifications with internal cement mortar lining and external bitumen coating Double Socket Branch Tee's, All Socket Tee's, All Flanged Tee's, Flanged Spigot Pieces, Double Flanged Tapers, Flanged Socket Pieces etc. for potable water supply with EPDM rubber gaskets, rubber sheetsetc. including all cost of labour, transportation etc.	Kg	500	110	55,000	0.17	212.50	106,250.00	0.31	93.18
* Rate for the specials are taken along with pipe line for estimation purpose.										
26	Supply, Installation, Testing and Commissioning of Vacuum Type Floor Mounted Chlorinator of 3 Kg/hr capacity complete with vacuum regulator, control unit, injector, booster pumps etc. as per detailed specifications & as directed by Engineer.	Nos	4	296,000	1,184,000	3.74	255,000.00	1,020,000.00	3.01	-13.85
27	Supply of Chlorine gas Tonner including Chlorine gas and transportation etc complete.	Nos	8	80,571	644,568	2.04	80,750.00	646,000.00	1.91	0.22
28	Supply of Chlorine Safety Equipments set comprising of: a) Canister type respirators with full face coverage masks suitable for chlorine gaseous atmosphere with one spare Canister - 1 No. b) Chlorine leak detector with two sensors ó 1 No. c) Self contained compressed air breathing apparatus complete with working whistle and two spare air cylinders ó 1 No. d) Emergency Tonner repair kit ó 1 No. e) Protective clothing such as PVC overall and gloves and rubber boots shall be provided ó min 2 sets. f) Safety shower with eye wash ó 1 No.etc. complete as per detailed specifications & as directed by the engineer.	Lump sum	4		500,000	1.58	63,750.00	255,000.00	0.75	-49.00
<b>Chlorinator Room</b>										
29	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	m <sup>3</sup>	70	1757	122,990	0.39	2,975.00	208,250.00	0.61	69.32
30	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto two stories in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	m <sup>3</sup>	50	2320	116,000	0.37	2,975.00	148,750.00	0.44	28.23
31	12 mm cement plaster of mix on new surface as per Technical Specifications and as per direction of Engineer: 1: 4 (1 cement : 4 fine/ coarse sand)	m <sup>2</sup>	500	77	38,500	0.12	212.50	106,250.00	0.31	175.97
32	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40m m thick with 20mm nominal size stone aggregate.	m <sup>2</sup>	100	172	17,200	0.05	297.50	29,750.00	0.09	72.97
33	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume .hardening compound is mixed @ 2 litre per 50kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	m <sup>2</sup>	100	260	26,000	0.08	340.00	34,000.00	0.10	30.77
34	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement. 18 mm thick.	m <sup>2</sup>	15	159	2,385	0.01	212.50	3,187.50	0.01	33.65
35	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including priming coat with cement primer.	m <sup>2</sup>	200	48	9,600	0.03	148.75	29,750.00	0.09	209.90

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36	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	m <sup>2</sup>	200	31	6,200	0.02	170.00	34,000.00	0.10	448.39
37	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	sqm	25		0	0.00	297.50	7,437.50	0.02	
38	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto two stories excluding the cost of centring, shuttering, finishing and reinforcement with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	m <sup>3</sup>	6	3,538	21,228	0.07	12,920.00	77,520.00	0.23	265.18
39	Reinforcement for R.C.C. work at all levels including straightening, cutting, bending, placing in position and binding all complete. Therm o-Mechanically Treated bars.	kg	500	42	21,000	0.07	63.75	31,875.00	0.09	51.79
40	Providing corrugated G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 1.00mm thick with zinc coating not less than 275gm/m <sup>2</sup>	m <sup>2</sup>	80	639	51,120	0.16	340.00	27,200.00	0.08	-46.79
41	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	Kg	400	46	18,400	0.06	80.75	32,300.00	0.10	75.54
42	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately) :									
a	For fixed portion Anodi sed aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	100	295	29,500	0.09	297.50	29,750.00	0.09	0.85
b	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately). Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	80	315	25,200	0.08	382.50	30,600.00	0.09	21.43
43	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ 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) : Wi th float glass panes of 5.50 mm thickness	m <sup>2</sup>	40	687	27,480	0.09	765.00	30,600.00	0.09	11.35
44	S&f fixed wire gauge of stainless steel of 14 mesh x 24 gauge to the aluminium window by Aluminium beading 20x3mm with suitable screws at not exceeding 150mm distance at all heights with all lead and lift with scaffolding.	m <sup>2</sup>	20	660	13,200	0.04	722.50	14,450.00	0.04	9.47

S.No.	Particulars	Unit	Quantity	Engineer's Estiamte			2/2 Dynamic Elecpower Pvt. Ltd. Bhilwara JV With Megha Engineering Enterprises Hvderabad			% Variation from Engineer's Estimate
				Unit Rate	Amount	% of works	Discounted Unit Rate	Amount after discount	% of works	
45	Providing and fixing Aluminnium lock, fixtures for Aluminium door & windows of approved quality, make & design as directed by the engineer	Lumsum	4		1,000	0.00	510.00	2,040.00	0.01	104.00
46	Providing and fixing Electric fittings for two 32A socket point, one light & tubelight and one 16A plug socket points , full complete job including cost of cables, electric fittings, labour etc.of approved quality, make & design as directed by the engineer	Lump sum	4		5,000	0.02	1,700.00	6,800.00	0.02	36.00
47	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.									
a	Bitumenous course	cum	1140	417	475,380	1.50	510.00	581,400.00	1.72	22.30
b	Granular course	cum	2660	278	739,480	2.34	382.50	1,017,450.00	3.00	37.59
48	Cement Concrete Jali 50 mm thick per tecnical specifications & as directed by Engineer.	m <sup>2</sup>	100	140	14,000	0.04	297.50	29,750.00	0.09	112.50
	<b>Total</b>				<b>31,634,272</b>	<b>100</b>		<b>33,895,518</b>	<b>100</b>	<b>7.15</b>
	Provisional Sum (For Third Party Inspection, Shifting of Utilities etc.)	Lump Sum			1,000,000			1,000,000		
	<b>Grand Total</b>				<b>32,634,272</b>			<b>34,895,518</b>		

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