

SAP PO - 6900001047 (Before GST)

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

POWER GRID CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)



उत्तरी क्षेत्र-1 मुख्यालय, बी-9, कुतुब इंस्टीटयूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016 दूरभाष: 26560112, 26560115, फैक्स: 011-26601081
Northern Region-1 Headquarters, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 Tel.: 26560112, 26560115, Fax: 011-26601081

संदर्भ संख्या / Ref No.

Amendment-I

दिनांक / Dated :

Ref: N1/C&M/13-14/C-OT-10/LOA/155/Amendment-I

M/s Amey Buildtech Pvt Ltd
302, Krishna Plaza,
Plot No. 22, Sector -10,
Dwarka, New Delhi - 110075
Ph: 011-45543016

513
श. R.B. Singh

Date: 07/04/2016

11 APR 2016

12/4/16

Kind Attn: Virender Singh, Director

Sub: Amendment-I to LOA Ref. N1/C&M/13-14/C-OT-10/LOA/155, dated 29/01/2014 for the work of "Community Development under R&R near 765/400kV Jhatikara sub-station".

Dear Sir,

- 1.0 This has reference to LOA Ref. N1/C&M/13-14/C-OT-10/LOA/155, dated 29/01/2014.
- 2.0 Consequent upon execution of work as per site requirements above referred LOA has been amended to the extent given below:
 - a) **Quantity of Items:** As per requirement of site, Quantities of various items executed at site have been amended under the subject contract. Further, some Extra/Substituted items have also been incorporated under the subject contract. Amended quantities of various items including Extra/Substituted items are brought out in **Annexure-I** enclosed.
 - b) **Contract Price:** Consequent upon change in the quantities of items, contract price of the above referred Letter of Award stands revised from ₹ 96,23,118.84/- to ₹ 1,16,36,595.07/- (Rupees One Crore Sixteen Lakhs Thirty Six Thousand Five Hundred Ninety Five and Paise Seven only) which is inclusive of all taxes and duties.
- 3.0 Accordingly, Contract performance guarantee stands revised from INR 9,62,312/- to INR 11,63,660/- (Rupees Eleven Lakh Sixty Three Thousand Six Hundred Sixty only) i.e 10% of the amended contract value.
- 4.0 This Amendment shall form an integral part of original Letter of Award ref. No. LOA Ref. N1/C&M/13-14/C-OT-10/LOA/155, dated 29/01/2014.
- 5.0 Save & except above, all other terms and conditions of the LOA shall remain unchanged.
- 6.0 This amendment is being issued to you in duplicate. Please return the duplicate copy of this amendment duly signed and stamped on each page as a token of your acknowledgement.

Thanking you,

Yours faithfully,
For and on behalf of,
Powergrid Corporation of India Ltd.

[R K Singh] 7/4/16
Ch. Manager [C&M]

Copy: GM (O&M), GM (PESM), GM (Fin), DGM (Engg/QA&I), DGM (RP&IT), Asst. GM (Jhatikara)

पंजीकृत कार्यालय : बी-9, कुतुब इंस्टीटयूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110 016
Registered Office : B-9, Qutab Institutional area Katwaria Sarai, New Delhi - 110 016

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएं
Save Energy for Benefit of Self and Nation

आप हमसे हिन्दी में पत्र व्यवहार कर सकते हैं।

BOQ for Amendment-I

LOA No.:-

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
Construction of Bus stand shikarpur (annexture 1A)								
1 S.H.-1 Earth Work								
1.1.1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed: All kind of soil.	cum	101.85	18	18	1833.3	1833.3
1.2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	67.9	9	9	611.1	611.1
1.3	2.27	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	970	4	4	3880	3880
2 S.H.-2 - CONCRETE WORK								
2.1.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3201	5	5	16005	16005
3 S.H.-3 - R.C.C WORK								
3.1.1	5.9.1	Centring and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases for columns etc. for mass concrete	sqm	281.3	12	12	3375.6	3375.6
3.2.1	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. :Thermo-Mechanically Treated bars	KG	63.05	460	460	29003	29003
3.3.1	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	5335	2.5	2.5	13337.5	13337.5
4 S.H.-4 -BRICK WORK								
4.1.1	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	155.2	4.5	4.5	698.4	698.4
5 S.H.-5-STEEL WORK								
5.1	10.2.	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	111.55	1415	1415	157843.25	157843.25
5.2	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.						
5.2.1	10.16.2	Hot finished seamless type tubes	Kg	87.3	833	833	72720.9	72720.9
5.3	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	87.3	43	43	3753.9	3753.9
6 S.H.-6 -FLOORING								
6.1.1	11.26.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with gery cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with Base of cement mortar 1:4 (1 cement :4 coarse sand) : 25 mm thick	sqm	921.5	28	28	25802	25802
6.2	11.27	Kota stone slabs 25 mm thick in risers of steps,skirting,dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs,including rubbing and polishing complete.	sqm	921.5	1	1	921.5	921.5
6.2.1	11.31	Extra for pre finished nosing in treads of steps of kota stone/sand stone slab.	metre	485	6	6	2910	2910
7.0 S.H.-7 -ROOFING WORK								
7.1	12.1.1	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 filed with white lead and including a coat of approved steel primer and two coats of approved paints 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.	sqm	824.5	29	29	23910.5	23910.5
8.0 S.H.-8 -FINISHING WORK								
8.1.1	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement :4 fine sand)	sqm	174.6	16	16	2793.6	2793.6
8.2.1	13.44.1	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	155.2	16	16	2483.2	2483.2
8.3.1	13.50.3	Applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	77.6	69	69	5354.4	5354.4
8.4.1	13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	67.9	69	69	4685.1	4685.1
Total of Construction of Bus stand shikarpur (annexture 1A)							371922.25	371922.25
Construction of Community Hall Shikarpur (Annexture-IB)								

(Annexure-B)

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BOQ for Amendment-I
LOA No.:

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					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
1	S.H.-1 Earth Work							
1.1.	1.1	Carriage of materials by manual labour including loading, unloading and stacking for lead up to 1km.						
1.1.1	1.1.2	Earth	cum	67.90	8.00	8.00	543.20	543.20
1.2.1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m inwidth or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. ALL kind of Soil	Cum	101.85	83.00	123.00	8453.55	12527.55
1.3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each eposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	77.60	75.00	271.00	5820.00	21029.60
1.4	2.27	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	970.00	39.00	39.00	37830.00	37830.00
1.5.1	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified. : Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	Liter	77.60	170.00	170.00	13192.00	13192.00
1.6.1.1	2.35.2.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron usingchemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	meter	106.70	75.00	75.00	8002.50	8002.50
1.6.2.1	2.35.3.1	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor : With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	Sqm	48.50	292.00	292.00	14162.00	14162.00
1.6.3.1	2.35.4.1	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1 :2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	meter	97.00	75.00	75.00	7275.00	7275.00
2	S.H.-2 - CONCRETE WORK							
2.1.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3249.50	40.00	40.00	129980.00	129980.00
2.2	4.10.	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	Sqm	3977.00	22.00	22.00	87494.00	87494.00
2.3	4.13.	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	213.40	22.00	22.00	4694.80	4694.80
2.4	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	Sqm	174.60	61.00	61.00	10650.60	10650.60
3	S.H.-3 - R.C.C WORK							
3.1	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :						
3.1.2	5.9.3.	Suspended floors, roofs, landings, balconies and access platform	Sqm	320.10	292.00	292.00	93469.20	93469.20
3.1.3	5.9.4	Shelves (Cast in situ)	Sqm	1067.00	14.00	14.00	14938.00	14938.00
3.1.4	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	1164.00	175.00	175.00	203700.00	203700.00
3.2.1	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. :Thermo-Mechanically Treated bars	KG	67.90	7900.00	9300.00	536410.00	631470.00
3.3	5.3.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	3977.00	53.00	0.00	210781.00	0.00
4	S.H.-4 -BRICK WORK							
4.1.1	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	3686.00	76.00	76.00	280136.00	280136.00
4.2.1	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	164.90	70.00	95.00	11543.00	15665.50
4.3.1	6.13.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	194.00	14.00	14.00	2716.00	2716.00
4.4	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	38.80	14.00	14.00	543.20	543.20

BOQ for Amendment-I

LOA No.:-

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					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
4.5	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	meter	1164.00	81.00	81.00	94284.00	94284.00
5.0 S.H.-5 -WOOD WORK								
6.1	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with nuts and screws etc. complete.						
	9.96.1	300 x16 mm						
	9.96.2	250 x 16 mm	Each	339.50	4.00	4.00	1358.00	1358.00
6.4	9.97	Providing and fixing aluminium tower bolts ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with necessary screws etc. complete	Each	339.50	5.00	5.00	1697.50	1697.50
6.4.1	9.97.2	250 x10mm						
6.4.2	9.97.4	150x10mm	each	271.60	13.00	13.00	3530.80	3530.80
6.4.3	9.97.5	100x10mm	each	145.50	57.00	57.00	8293.50	8293.50
6.5	9.100.	Providing and fixing aluminium handles ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with necessary screws etc. complete.						
6.5.1	9.100.1	125mm						
6.5.2	9.100.3	75mm	each	533.50	30.00	30.00	16005.00	16005.00
6.6.1	9.101.2	Providing and fixing aluminium hanging floor door stopper ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour & shade with necessary screws etc. complete Twin rubber stopper	each	436.50	41.00	41.00	17896.50	17896.50
			each	77.60	13.00	13.00	1008.80	1008.80
S.H.-7 -STEEL WORK								
7.1	10.18.	Providing and fixing circular Hexagonal cast iron or M.S. sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron M.S. sheet box by means of 3.3mm dia. round headed screws, one lock at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	each	1552.00	31.00	31.00	48112.00	48112.00
S.H.-8 -FLOORING								
8.1.1	11.3.1	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. 40 mm thick with 20mm nominal size stone aggregate	sqm	339.50	241.00	241.00	81819.50	81819.50
8.2.1	11.6.1	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	sqm	194.00	24.00	24.00	4656.00	4656.00
8.3	11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavement etc.	sqm	543.20	2.00	2.00	1086.40	1086.40
8.4.1	11.13.1	Providing and fixing glass strips in joints of terrazzo /cement concrete floors 40 mm wide and 4 mm thick	metre	29.10	455.00	455.00	13240.50	13240.50
8.5	11.36	Providing and fixing 1st quality ceramic glazed tiles conforming to IS :15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matchig shade complete.	sqm	145.50	63.00	63.00	9166.50	9166.50
8.6	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS :15622 of approved make in all colours such as White, Ivory, Grey, Fume Red Brown laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete.	sqm	291.00	28.00	28.00	8148.00	8148.00
S.H.-9 -ROOFING WORK								
9.1.1	12.15	Painting top of roofs with bitumen of approved quality at 17 kg per 10sqm impregnated with a coat of coarse sand at 60 cumd per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete : With residual type petroleum bitumen of Grade VG-10	sqm	194.00	292.00	292.00	56648.00	56648.00
9.2.1	12.16.1	10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa at 35 kg per cum of earth and gobi leaping with mix 1:1(1 clay :1 cow dung) and covered with flat tile bricks of class designation 100 grouted with cement mortar 1:3 (1 cement :3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat : With Common burnt clay F.P.S (non modular) brick tile of class designation 10	sqm	174.60	292.00	292.00	50983.20	50983.20
9.3	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate of 20 mm nominal size) over P.V.C sheet 1mx1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement :3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete:	each	533.50	8.00	8.00	4268.00	4268.00

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BOQ for Amendment-I
LOA No.:-

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					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
9.4.1	12.41.1	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single socketed pipes 75 mm diameter	Meter	214.37	33.00	33.00	7074.21	7074.21
9.5	12.42.	Providing and fixing on wall face unplasticised -PVC moulded fittings/accessories for unplasticised -Rigid PVC rain water pipes conforming to IS :13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion:						
9.5.1.1	12.42.5.1	Bend 87.5o; 75 mm bend	each	214.37	8.00	8.00	1714.96	1714.96
9.5.2.1	12.42.6.1	Shoe (Plain); 75 mm shoe	each	141.62	8.00	8.00	1132.96	1132.96
9.6.1	12.43.1	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50 mm hard wood plugs,screwed with M.S screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement :4 coarse sand) and making good the wall etc. complete. 75 mm	each	87.30	16.00	16.00	1396.80	1396.80
9.7	12.44	Providing and fixing to the intel mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams:	each	135.80	8.00	8.00	1086.40	1086.40
S.H.-10 -FINISHING WORK								
10.1.1	13.1.2	12 mm cement plaster of mix : 1:6 (1 cement :6 fine sand)	sqm	140.65	132.00	330.00	18565.80	46414.50
10.2.1	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement :6 fine sand)	sqm	174.60	523.00	430.00	91315.80	75078.00
10.3.1	13.16.1	6 mm cement plaster to ceiling of mix : 1:3 (1 cement :3 fine sand)	sqm	203.70	467.00	330.00	95127.90	67221.00
10.4	13.17	6 mm cement plaster 1:3 (1 cement :3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams:	sqm	194.00	21.00	21.00	4074.00	4074.00
10.5.1	13.37.1	White washing with lime to give an even shade : New work (three or more coats)	sqm	19.40	467.00	330.00	9059.80	6402.00
10.6.	13.40	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work,over and including priming coat of whitening to give an even shade:	sqm	58.20	263.00	263.00	15306.60	15306.60
10.7.1	13.44.1	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	58.20	391.00	391.00	22756.20	22756.20
S.H.-11 -Sanitary Installation								
11.1.1	17.2.2	Providing and fixing white vitreous china pedstal type water closet (European type W.C.pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS :7231, with all fittings and fixture complete including cutting and making good the walls and floors wherever required : W.C.pan with ISI marked black solid plastic seat and lid	each	5820.00	3.00	3.00	17460.00	17460.00
11.2.1	17.4.2	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern.	each	6305.00	1.00	1.00	6305.00	6305.00
11.3.1	17.7.4	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32mm C.P.brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White vitreous China, Flat back wash basin size 550 x 400 mm with a single 15 mm C.P.brass pillar tap	each	2910.00	4.00	4.00	11640.00	11640.00
11.4.1.1	17.10.1.3	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per IS :13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting, and making good the walls wherever required: Kitchen sink with drain board; 510 x1040 mm bowl depth 200 mm	each	4850.00	1.00	1.00	4850.00	4850.00
11.5.1	17.28.2.1	Providing and fixing P.V.C.waste pipe for sink or wash basin including P.V.C.waste fittings complete: Flexible Type; 32 mm dia	each	533.50	4.00	4.00	2134.00	2134.00
11.6	17.31	Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P.brass screws and washers complete:	each	582.00	4.00	4.00	2328.00	2328.00
11.7	17.33	Providing and fixing 600 x 120 x 5 mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P.brass brackets and guard rail complete fixed with 40 mm long screws,rawl plugs etc.,complete:	each	1940.00	4.00	4.00	7760.00	7760.00
11.8.1.1	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia; Sand cast iron S&S pipe as per IS: 1729	metre	582.00	8.00	8.00	4656.00	4656.00
11.8.2.1	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm diameter; Sand cast iron S&S pipe as per IS: 1729	metre	582.00	2.00	2.00	1164.00	1164.00
11.9.1.1	17.39.1.1	Providing and fixing plain bend of required degree: 100 mm; Sand cast iron S&S as per IS-1729	each	388.00	2.00	2.00	776.00	776.00
11.9.2.1	17.39.2.1	Providing and fixing plain bend of required degree: 75 mm; Sand cast iron S&S as per IS-1729 pipe	each	911.80	2.00	2.00	1823.60	1823.60
11.10.1.1	17.57.1.2	Providing & fixing collar : 100 mm : Sand cast iron S&S as per IS-3989	each	291.00	2.00	2.00	582.00	582.00
11.11	17.58.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	each	281.30	8.00	8.00	2250.40	2250.40

BOQ for Amendment-I

LOA No.:-

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
11.12.1	17.60.1.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100 mm inlet and 100 mm outlet; Sand cast iron S&S as per IS: 3989	each	979.70	2.00	2.00	1959.40	1959.40
11.13.1	17.60.2.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100 mm inlet and 75 mm outlet; Sand cast iron S&S as per IS: 3989	each	1008.80	2.00	2.00	2017.60	2017.60
11.14	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distances from wall of standard shape with bracket of the same materilas with snap fittings of approved quality colour and make,weighing not less than 105 gms.	each	232.80	2.00	2.00	465.60	465.60
11.15	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with a minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality, colour and make weighing not less then 88 gms.	each	184.30	2.00	2.00	368.60	368.60
	S.H.-12 -WATER SUPPLY							
12.1	18.10.	Providing and fixing G.I.pipes complete with G.I.fittings and clamps,including cutting and making good the walls etc.; Internal work - Exposed on wall, dia.nominal bore						
12.1.1	18.10.1	15mm nominal bore	metre	235.71	19.00	19.00	4478.49	4478.49
12.1.2	18.10.2	20mm nominal bore	metre	282.27	7.00	7.00	1975.89	1975.89
12.2.1	18.12.3	Providing and fixing G.I.pipes complete with G.I.pipes complete with G.I.fittings including trenching and refilling etc.; external work; 25 mm dia nominal bore	metre	349.20	11.00	11.00	3841.20	3841.20
12.3.1	18.13.1	Making connection of G.I.distribution branch with G.I.main of following sizes by providing and fixing tee,including cutting and threading the pipe etc.complete: 25 to 40 mm nominal bore	each	370.54	1.00	1.00	370.54	370.54
12.4	18.14	Fixing water meter and stop cock in G.I.pipe line including cutting and threading the pipe and making long screws etc.complete (cost of water and stop cock to be paid separately):	each	287.12	1.00	1.00	287.12	287.12
12.6.1	18.15.1	Providing and fixing brass bib cock of approved quality: 15 mm nominal bore	each	258.02	3.00	3.00	774.06	774.06
12.7.1	18.16.1	Providing and fixing brass stop cock of approved quality: 15 mm nominal bore	each	258.02	8.00	8.00	2064.16	2064.16
12.8	18.18.	Providing and fixing ball valve (brass) of approved quality complete: High or low pressure with plastic floats;						
12.8.1	18.18.2	20 mm nominal bore	each	250.26	2.00	2.00	500.52	500.52
12.8.2	18.18.3	25 mm nominal bore	each	530.59	1.00	1.00	530.59	530.59
12.9.1	18.20.1	Providing and fixing brass ferrule with C.I.mouth cover including boring and tapping the main: 15 mm nominal bore	each	255.11	1.00	1.00	255.11	255.11
12.10.1.1	18.21.2.1	Providing and fixing uplasticeised PVC connection pipe with brass unions: 45 cm length; 15 mm nominal bore	each	115.43	8.00	8.00	923.44	923.44
12.13	18.40.	Painting G.I.pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality:						
12.13.1	18.40.1	15 mm diameter pipes	metre	235.71	19.00	19.00	4478.49	4478.49
12.13.2	18.40.2	20 mm diameter pipes	metre	282.27	7.00	7.00	1975.89	1975.89
12.13.3	18.40.3	25 mm diameter pipes	metre	530.59	11.00	11.00	5836.49	5836.49
12.14.1	18.41.3	Providing and filling sand of grading zone V or coarser grade around the G.I.pipes in external work: 25 mm dia pipe	metre	530.59	11.00	11.00	5836.49	5836.49
12.15	18.48	Providing and placing on terrace (at all floor levels) Polythylene water storage tank ISI :12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre capacity	8.24	2000.00	2000.00	16480.00	16480.00
	S.H.-13 -DRAINAGE							
13.1.1	19.1.1	Providing,laying and jointing glazed stoneware pipes grade A with stiff mixture of cement mortar in the proportion of 1:1 (1 cement :1 fine sand) including testing of joints etc.complete: 100 mm diameter	metre	189.15	28.00	28.00	5296.20	5296.20
13.2.1	19.2.1	Providing and laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone aggregate 40 mm nominal size) around S.W.pipes including bed concrete as per standard design : 100 mm diameter S.W.pipe	metre	436.50	28.00	28.00	12222.00	12222.00
13.3.1.1	19.4.1.1	Providing and fixing square-mouth S.W.gully trap grade A complete with C.I.grating brick masonry chamber with water tight C.I.cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100 x 100 mm size P type; With common burnt clay F.P.S. Bricks of class designation 7.5	each	1389.04	2.00	2.00	2778.08	2778.08

BOQ for Amendment-1
LOA No.:

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
13.4.1.1	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) R.C.C.top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size),foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90 x 80 cm and 45 cm deep including C.I.cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg). With common burnt clay F.P.S.(non modular) Bricks with class of designation 7.5	each	1358.00	5.00	5.00	6790.00	6790.00
13.5.1.1	19.8.1.1	Extra for depth for manholes: Size 90 x 80 cm; With common burnt clay F.P.S.(non modular) bricks class of designation 7.5	metre	5044.00	1.00	1.00	5044.00	5044.00
SH-14- Septic Tank & Soak Pit								
14.1.1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed: All kind of soil.	cum	101.85	22.00	22.00	2240.70	2240.70
14.2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m .	cum	67.90	2.00	2.00	135.80	135.80
14.3.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-All work upto plinth level: 1:4: 8 (1cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size)	cum	3395.00	2.00	2.00	6790.00	6790.00
14.4.1	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	5335.00	3.00	3.00	16005.00	16005.00
14.5.1	5.9.2	Centring and shuttering including strutting, propping etc. and removal of form for: Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	358.90	8.00	8.00	2871.20	2871.20
14.5.2	5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform.	sqm	6790.00	13.00	13.00	88270.00	88270.00
14.5.3	5.9.5	Centring and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers.	sqm	7566.00	2.00	2.00	15132.00	15132.00
14.6.1	5.22.6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete: Thermo-Mechanically treated bars.	kg	75.66	464.00	464.00	35106.24	35106.24
14.7.1	6.1.2	Brick work with common burnt clay F.P.S. (non Modular)bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	3977.00	5.00	5.00	19885.00	19885.00
14.8.1	11.3.1	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. 40 mm thick with 20mm nominal size stone aggregate	sqm	545.14	11.00	11.00	5996.54	5996.54
14.9.1	13.8.2	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:4 (1 cement :4 fine sand)	sqm	155.20	19.00	19.00	2948.80	2948.80
14.10.1	13.16.1	6 mm cement plaster to ceiling of mix : 1:3 (1 cement :3 fine sand)	sqm	174.60	16.00	16.00	2793.60	2793.60
14.11.1.1.	17.35.1.2	Providing and fixing soil, waste and vent pipes : 100 mm dia; Centrifugally cast (spun) iron socketed pipe as per IS:3989	metre	33.95	2.00	2.00	67.90	67.90
14.12.1	17.36.2	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 (1 cement :2 fine sand) in S.C.I./C.I. Pipes: 100 mm dia pipe	each	67.90	2.00	2.00	135.80	135.80
14.13.1.1	17.56.1.2	Providing and fixing terminal guard : 100 mm, Sand cast iron S&S as per IS-3989	each	427.77	1.00	1.00	427.77	427.77
14.14.1	17.59.1	Providing and fixing M.S.stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter : 100 mm	each	73.72	1.00	1.00	73.72	73.72
14.15.1	19.15.1	Providing M.S.foot rests including fixing in manhole with 20 x 20 x 10 cm cement concrete blocks 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design : With 20 x 20 mm square bar	each	276.45	8.00	8.00	2211.60	2211.60
14.16.1.1	19.19.3.1	Providing and fixing in position precast R.C.C.manhole cover and frame of required shape and approved quality: HD -20; Circular shape 560 mm internal diameter	each	1684.89	2.00	2.00	3369.78	3369.78
14.17.1	19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W.drain pipe 100 mm diameter,1.8 m long complete as per standard design: With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	3870.30	1.00	1.00	3870.30	3870.30
SH-15- ALUMINIUM WORK								

BOQ for Amendment-I

LOA No.:-

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
15.1.1.1	21.1.1.3	Providing and fixing anodised 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/penelling, 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): For fixed portion; Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	491.79	73.00	73.00	35900.67	35900.67
15.1.2.1	21.1.2.3	Providing and fixing anodised 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/penelling, 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): 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); Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	543.20	558.00	558.00	303105.60	303105.60
15.2.1	21.2.1	Providing and fixing 12 mm thick prelaminated three layer medium density (superior grade) particle board Grade I, Type II conforming to IS :12823 in panelling fixed in aluminium doors, windows shutters and partition frames with C.P.brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge: Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	sqm	1131.99	20.00	20.00	22639.80	22639.80
15.3.1	21.3.2	Providing and fixing glazing in aluminium door, windows, 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): With float glass panes of 5.50 mm thickness.	sqm	1097.07	34.00	34.00	37300.38	37300.38
15.4.1	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete; Upto 5 mm depth and 5 mm width.	metre	90.21	134.00	134.00	12088.14	12088.14
15.5.1	21.11.2	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete; 255 x 19 mm	each	277.42	82.00	82.00	22748.44	22748.44
		TOTAL OF Annexure-IB					3169723.02	3058454.32
		Substitute Items						
SB-1	1- 5:3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases, columns, and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	cum	5335.00	0.00	77.50	0.00	413462.50
		Total of substitute items Annexure IB-					0.00	413462.50
		Extra Items						
Ex-1	16:3:5	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	Cum	327.86	0	250	0.00	81965.00
Ex-2	18.11	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.					0.00	0.00
	18.11.1	15 mm dia nominal bore	metre	306.05		12	0.00	3672.60
	18.11.2	20 mm dia nominal bore	metre	333.85		24	0.00	8012.40
		Total of Extra Items items					0.00	93650.00
		Total of Community Center Shikarpur					3169723.02	3565566.82
		Electrical Community Hall Shikarpur (Annexure-IC)						
		1 Sub head -I (wiring)						

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BOQ for Amendment-I
LOA No.:

(Annexure - IC)

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
1.1	1.8	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm, FR PVC insulated copper conductor single core cable etc as required.						
1.1.1	1.8.3	Group C	Point	582	55	55	32010.00	32010.00
1.2	1.30	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	Each	950.6	9	9	8555.40	8555.40
1.3	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	77.6	100	100	7760.00	7760.00
1.4	1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	145.5	80	80	11640.00	11640.00
1.5	1.14	Wiring for circuit/ submain wiring alongwith earh wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required						
1.5.1	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	77.6	90	90	6984.00	6984.00
2 SUB HEAD (Fittings)								
2.1	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	242.5	9	9	2182.50	2182.50
2.2	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	242.5	21	21	5092.50	5092.50
2.3	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	77.6	3	3	232.80	232.80
2.4	1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	485	15	15	7275.00	7275.00
2.5	1.46	Installation, testing and commissioning of resistance type ceiling fan regulator, in existing switch box including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing the regulator etc. as required.	Each	242.5	15	15	3637.50	3637.50
2.6.	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.						
2.6.1	1.50.1	Upto 450 mm sweep	Each	194	3	3	582.00	582.00
2.7	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	291	3	3	873.00	873.00
3 Sub Head -III (L.T.Panels & Distribution Panel UPS And Cables)								

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BOQ for Amendment-I
LOA No.:-

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
3.1	2.8	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)						
3.1.1	2.8.2	6 way (4 + 18), Single door	Each	1746	1	1	1746.00	1746.00
3.2	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0		
3.2.1	2.10.1	Single pole	Each	164.9	18	18	2968.20	2968.20
3.3	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
3.3.1	2.13.2	63 amps	Each	1164	1	1	1164.00	1164.00
4		Sub Head -IV (EARTHING)						
4.1	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	3880	2	2	7760.00	7760.00
4.2	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	87.3	10	10	873.00	873.00
4.3	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	77.6	5	5	388.00	388.00
4.5	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	67.9	5	5	339.50	339.50
5		Sub Head V (Service Connection)						
		Service Connection charges for taking L.T. Connection and metering for electric supply company L.S.	L.S.	970	1	1	970.00	970.00
1		Sub Head -I (Fitting)						
1.1	MR	Supply of surface mounted prewired fluorescent / CFL type Ceiling light fixtures with required nos. TL-5 Lamp/ CFL lamps, control gear box electronics choke etc. complete in all respect as required as per the standard catalogue item no. or similar as approved.						
1.1.1	MR	2 x 28 W TL-5 Surface mounting (cat. No. GCX620 2X28 W TL-5 EBP M/s Philips	Nos.	2134	21	21	44814.00	44814.00
1.1.2	MR	1 x 28 TL-5 Box Type fitting (Miroalta slim T-5 TMS 540 HP Philips similar)	Nos.	1746	11	11	19206.00	19206.00
1.1.3	MR	2 x 18 W CFL Ceiling light fixtures control gear box electronics Choke etc. Complete in all respect as required Cat. No. FCS 18 2x PL-LI 8 W I240 V M/S Philips or Similar as approved.	Nos.	1164	2	2	2328.00	2328.00
1.2		Supply of AC 230/250 Volts, 50 Hz ceiling fan with standard down rod , blades, Caps etc. Complete as required (Bajaj, Crompton, Havells)						
1.2.1	MR	1200mm Sweep	Nos.	1746	1	1	1746.00	1746.00
1.2.2	MR	1400mm Sweep	Nos.	1843	14	14	25802.00	25802.00
1.3	MR	Supply of AC 230/250 Volts, 50 Hz heavy duty exhaust fans including providing louver shutter and nuts , Bolts Mounting frame and other accessories etc. Complete (Make-Bajaj, Crompton, Havells)						
		300mm sweep 900 Rpm	Nos.	1940	3	3	5820.00	5820.00
		Total Of Electrical Community Hall Shikarpur (Annexure-IC)					202749.4	202749.4
		Construction of Proposed OLD age Home at Ghummanhera Village (annexure- ID)						
		S.H.-I Earth Work						
1.1	1.1	Carriage of materials by manual labour including loading, unloading and stacking for lead up to 1km:						
1.1.1	1.1.2	Earth	cum	67.90	11	11	746.90	746.90
1.2.1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m inwidth or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as irected, within a lead of 50 m. ALL kind of Soil	Cum	101.85	103	103	10490.55	10490.55
1.3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each eposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	77.60	92	270	7139.20	20952.00
1.4	2.27	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	970.00	38	38	36860.00	36860.00

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BOQ for Amendment-I

LOA No.:-

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					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
1.5.1	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified. : Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	Liter	77.60	176	176	13657.60	13657.60
1.6.1.1	2.35.2.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc. : With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	meter	106.70	72	72	7682.40	7682.40
1.6.2.1	2.35.3.1	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement : 2 Coarse sand) to match the existing floor : With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	Sqm	48.50	282	282	13677.00	13677.00
1.6.3.1	2.35.4.1	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	meter	97.00	72	72	6984.00	6984.00
2.0.	S.H.-2 - CONCRETE WORK							
2.1.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3249.50	42	42	136479.00	136479.00
2.2	4.10.	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	Sqm	3977.00	23	23	91471.00	91471.00
2.3.	4.13.	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	213.40	23	23	4908.20	4908.20
2.4.	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	Sqm	174.60	56	56	9777.60	9777.60
	S.H.-3 - R.C.C WORK							
3.1	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :						
3.1.2	5.9.3.	Suspended floors, roofs, landings, balconies and access platform	Sqm	320.10	287	287	91868.70	91868.70
3.1.3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	1164.00	124	124	144336.00	144336.00
3.2.1	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. :Thermo-Mechanically Treated bars	KG	67.90	7191	9500	488268.90	645050.00
3.3	5.3.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	4365.00	47	0	205155.00	0.00
	S.H.-4 -BRICK WORK							
4.1.1	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	3783.00	54	86	204282.00	325338.00
4.2.1	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	3783.00	80	102	302640.00	385866.00
4.3.1	6.13.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	1164.00	14	14	16296.00	16296.00
4.4.	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	38.80	14	14	543.20	543.20
4.5.	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	meter	145.50	75	75	10912.50	10912.50
	S.H.-5 -WOOD WORK							
6.1	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with nuts and screws etc. complete.				0		
	9.96.1	300 x 16 mm	Each	339.50	8	8	2716.00	2716.00
	9.96.2	250 x 16 mm	Each	339.50	8	8	2716.00	2716.00
6.3.1	9.94.1	Providing and fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete : 300 mm weighing not less than 330 gms	each	2425.00	4	4	9700.00	9700.00
6.4	9.97	Providing and fixing aluminium tower bolts ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868transparent or dyed to required colour or shade with necessary screws etc. complete						

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BÓQ for Amendment-I

LOA No.:-

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
6.4.1	9.97.2	250 x10mm	each	873.00	20	20	17460.00	17460.00
6.4.2	9.97.4	150x10mm	each	679.00	49	49	33271.00	33271.00
6.4.3	9.97.5	100x10mm	each	582.00	24	24	13968.00	13968.00
6.5.	9.100.	Providing and fixing aluminium handles ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with necessary screws etc. complete.						
6.5.1	9.100.3	75mm	each	436.50	24	24	10476.00	10476.00
6.6.1	9.101.2	Providing and fixing aluminium hanging floor door stopper ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour & shade with necessary screws etc. complete Twin rubber stopper	each	58.20	20	20	1164.00	1164.00
SH-7-STEEL WORK								
7.1.	10.18.	Providing and fixing circular Hexagonal cast iron or M.S. sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron M.S. sheet box by means of 3.3mm dia. round headed screws, one lock at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	each	1552.00	23	23	35696.00	35696.00
SH-8-FLOORING								
8.1.1	11.3.1	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. 40 mm thick with 20mm nominal size stone aggregate	sqm	339.50	244	244	82838.00	82838.00
	11.6.1	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	sqm	291.00	24	24	6984.00	6984.00
8.2	11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavement etc.	sqm	543.20	2	2	1086.40	1086.40
	11.13.1	Providing and fixing glass strips in joints of terrazo /cement concrete floors 40 mm wide and 4 mm thick	metre	33.95	457	457	15515.15	15515.15
8.3	11.36	Providing and fixing 1st quality ceramic glazed tiles conforming to IS :15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matchig shade complete.	sqm	145.50	65	65	9457.50	9457.50
8.4	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS :15622 of approved make in all colours such as White, Ivory, Grey, Fume Red Brown laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete.	sqm	291.00	32	32	9312.00	9312.00
SH-9 ROOFING								
	12.15.1	Painting top of roofs with bitumen of approved quality at 17 kg per 10sqm impregnated with a coat of coarse sand at 60 cum per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete : With residual type petroleum bitumen of Grade VG-10	sqm	194.00	284	284	55096.00	55096.00
	12.16.1	10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa at 35 kg per cum of earth and gobri leaping with mix 1:1(1 clay :1 cow dung) and covered with flat tile bricks of class designation 100 grouted with cement mortar 1:3 (1 cement :3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat : With Common burnt clay F.P.S (non modular) brick tile of class designation 10	sqm	174.60	284	284	49586.40	49586.40
9.1	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement :3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete:	each	533.50	10	10	5335.00	5335.00
9.2.1	12.41.1	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type-A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single socketed pipes 75 mm diameter	Meter	214.37	32	32	6859.84	6859.84
9.3	12.42.	Providing and fixing on wall face unplasticised -PVC moulded fittings/accessories for unplasticised -Rigid PVC rain water pipes conforming to IS :13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion:						
9.3.1.1	12.42.5.1	Bend 87.5o; 75 mm bend	each	214.37	10	10	2143.70	2143.70
9.3.2.1	12.42.6.1	Shoe (Plain); 75 mm shoe	each	214.37	10	10	2143.70	2143.70

BOQ for Amendment-I

LOA No.:

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					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
9.4.1	12.43.1	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50 mm hard wood plugs,screwed with M.S.screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement :4 coarse sand) and making good the wall etc. complete: 75 mm	each	135.80	10	10	1358.00	1358.00
9.5	12.44	Providing and fixing to the intel mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams:	each	135.80	10	10	1358.00	1358.00
SH-10, FINISHING								
10.1.1	13.1.2	12 mm cement plaster of mix : 1:6 (1 cement :6 fine sand)	sqm	140.65	139	440	19550.35	61886.00
10.2.1	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement :6 fine sand)	sqm	174.60	627	480	109474.20	83808.00
10.3.1	13.16.1	6 mm cement plaster to ceiling of mix : 1:3 (1 cement :3 fine sand)	sqm	203.70	411	280	83720.70	57036.00
10.4	13.17	6 mm cement plaster 1:3 (1 cement :3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams:	sqm	203.70	26	26	5296.20	5296.20
	13.37.1	White washing with lime to give an even shade : New work (three or more coats)	sqm	19.40	411	280	7973.40	5432.00
	13.40	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work,over and including priming coat of whitening to give an even shade:	sqm	58.20	277	400	16121.40	23280.00
10.5.1	13.44.1	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	58.20	489	489	28459.80	28459.80
SH-11 SANITARY INSTALATION								
11.1.1	17.2.2	Providing and fixing white vitreous china pedstal type water closet (European type W.C.pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS :7231, with all fittings and fixture complete including cutting and making good the walls and floors wherever required : W.C.pan with ISI marked black solid plastic seat and lid	each	5820.00	2	3	11640.00	17460.00
11.2.1	17.7.4	Providing and fixing wash basin with C.I. brackets,15 mm C.P. brass pillar taps, 32mm C.P.brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White vitreous China; Flat back wash basin size 550 x 400 mm with a single 15 mm C.P.brass pillar tap	each	3395.00	2	2	6790.00	6790.00
11.3.1.1	17.10.1.3	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per IS :13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required: Kitchen sink with drain board, 510 x1040 mm bowl depth 200 mm	each	7275.00	1	1	7275.00	7275.00
11.4.1.1	17.28.2.1	Providing and fixing P.V.C.waste pipe for sink or wash basin including P.V.C.waste fittings complete: Flexible Type; 32 mm dia	each	232.80	2	2	465.60	465.60
11.5	17.31	Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P.brass screws and washers complete:	each	1164.00	2	2	2328.00	2328.00
11.6	17.33	Providing and fixing 600 x 120 x 5 mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P.brass brackets and guard rail complete fixed with 40 mm long screws,rawl plugs etc.,complete:	each	1940.00	2	2	3880.00	3880.00
11.7.1.1	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia; Sand cast iron S&S pipe as per IS: 1729	metre	1164.00	4	4	4656.00	4656.00
11.7.2.1	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm diameter; Sand cast iron S&S pipe as per IS: 1729	metre	776.00	8	8	6208.00	6208.00
11.8.1.1	17.39.1.1	Providing and fixing plain bend of required degree: 100 mm; Sand cast iron S&S as per IS-1729	each	795.40	2	2	1590.80	1590.80
11.8.2.1	17.39.2.1	Providing and fixing plain bend of required degree: 75 mm; Sand cast iron S&S as per IS-1729 pipe	each	960.30	2	2	1920.60	1920.60
11.9.1.1	17.57.1.2	Providing & fixing collar : 100 mm : Sand cast iron S&S as per IS-3989	each	291.00	2	2	582.00	582.00
11.10.1	17.58.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	each	979.70	8	8	7837.60	7837.60
11.10.2	17.58.2	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 75 mm	each	999.10	8	8	7992.80	7992.80
11.11.1	17.60.1.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100 mm inlet and 100 mm outlet; Sand cast iron S&S as per IS: 3989	each	999.10	2	2	1998.20	1998.20
11.11.2.1	17.60.2.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100 mm inlet and 75 mm outlet; Sand cast iron S&S as per IS: 3989	each	1047.60	2	2	2095.20	2095.20
11.12	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distances from wall of standard shape with bracket of the same materilas with snap fittings of approved quality colour and make,weighing not less than 105 gms.	each	232.80	2	2	465.60	465.60
11.13	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with a minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality, colour and make weighing not less then 88 gms.	each	194.00	2	2	388.00	388.00
SH-12, WATER SUPPLY								

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BOQ for Amendment-I

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					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
12.1	18.10.	Providing and fixing G.I.pipes complete with G.I.fittings and clamps,including cutting and making good the walls etc.; Internal work - Exposed on wall, dia.nominal bore						
12.1.1	18.10.1	15mm nominal bore	metre	368.60	21	21	7740.60	7740.60
12.1.2	18.10.2	20mm nominal bore	metre	452.99	8	8	3623.92	3623.92
12.2.1	18.12.3	Providing and fixing G.I.pipes complete with G.I.pipes complete with G.I.fittings including trenching and refilling etc.; external work; 25 mm dia nominal bore	metre	378.30	16	16	6052.80	6052.80
12.6.1	18.15.1	Providing and fixing brass bib cock of approved quality: 15 mm nominal bore	each	378.30	4	4	1513.20	1513.20
12.7.1	18.16.1	Providing and fixing brass stop cock of approved quality: 15 mm nominal bore	each	287.12	6	6	1722.72	1722.72
12.8.	18.18.	Providing and fixing ball valve (brass) of approved quality complete: High or low pressure with plastic floats;						
12.8.1	18.18.2	20 mm nominal bore	each	500.52	2	2	1001.04	1001.04
12.8.2	18.18.3	25 mm nominal bore	each	530.59	1	1	530.59	530.59
12.10.1.1.	18.21.2.1	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length; 15 mm nominal bore	each	923.44	4	4	3693.76	3693.76
12.13	18.40.	Painting G.I.pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality;						
12.13.1	18.40.1	15 mm diameter pipes	metre	77.60	21	21	1629.60	1629.60
12.13.2	18.40.2	20 mm diameter pipes	metre	242.50	8	8	1940.00	1940.00
12.13.3	18.40.3	25 mm diameter pipes	metre	291.00	16	16	4656.00	4656.00
12.14.1	18.41.3	Providing and filling sand of grading zone V or coarser grade around the G.I.pipes in external work: 25 mm dia pipe	metre	291.00	16	16	4656.00	4656.00
12.15	18.48	Providing and placing on terrace (at all floor levels) Polythylene water storage tank ISI :12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre capacity	8.25	2000	2000	16500.00	16500.00
SH-13 DRAINAGE								
13.1.1	19.1.1	Providing,laying and jointing glazed stoneware pipes grade A with stiff mixture of cement mortar in the proportion of 1:1 (1 cement :1 fine sand) including testing of joints etc.complete: 100 mm diameter	metre	106.70	43	43	4588.10	4588.10
13.2.1	19.2.1	Providing and laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone aggregate 40 mm nominal size) around S.W.pipes including bed concrete as per standard design : 100 mm diameter S.W.pipe	metre	388.00	43	43	16684.00	16684.00
13.3.1.1	19.4.1.1	Providing and fixing square-mouth S.W.gully trap grade A complete with C.I.grating brick masonry chamber with water tight C.I.cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100 x 100 mm size P type; With common burnt clay F.P.S. Bricks of class designation 7.5	each	1358.00	2	2	2716.00	2716.00
13.4.1.1	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) R.C.C.top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size),foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90 x 80 cm and 45 cm deep including C.I.cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg); With common burnt clay F.P.S.(non modular) Bricks with class of designation 7.5	each	1358.00	8	8	10864.00	10864.00
13.5.1.1	19.8.1.1	Extra for depth for manholes: Size 90 x 80 cm; With common burnt clay F.P.S.(non modular) bricks class of designation 7.5	metre	5044.00	1	1	5044.00	5044.00
SH-14-Septic Tank & Soak Pit								
14.1.1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed: All kind of soil.	cum	67.90	22	22	1493.80	1493.80
14.2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m .	cum	67.90	2	2	135.80	135.80
14.3.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-All work upto plinth level: 1:4: 8 (1cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size)	cum	3395.00	2	2	6790.00	6790.00
14.4.1	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	5335.00	2.01	2.01	10748.64	10748.64
14.5.1	5.9.2	Centring and shuttering including strutting, propping etc. and removal of form for: Walls (any thickness) including attached pillars, butresses, plinth and string courses etc.	sqm	1940.00	8	8	15520.00	15520.00

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14.5.2	5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform.	sqm	6790.00	13	13	88270.00	88270.00
14.5.3	5.9.5	Centring and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers.	sqm	7566.00	2	2	15132.00	15132.00
14.6.1	5.22.6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete: Thermo-Mechanically treated bars.	kg	75.66	464	464	35106.24	35106.24
14.7.1	6.1.2	Brick work with common burnt clay F.P.S. (non Modular)bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	3977.00	5	5	19885.00	19885.00
14.8.1	11.3.1	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. 40 mm thick with 20mm nominal size stone aggregate	sqm	564.54	11	11	6209.94	6209.94
14.9.1	13.8.2	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:4 (1 cement :4 fine sand)	sqm	155.20	19	19	2948.80	2948.80
14.10.1	13.16.1	6 mm cement plaster to ceiling of mix : 1:3 (1 cement :3 fine sand)	sqm	174.60	16	16	2793.60	2793.60
14.11.1.1	17.35.1.2	Providing and fixing soil, waste and vent pipes : 100 mm dia; Centrifugally cast (spun) iron socketed pipe as per IS:3989	metre	67.90	2	2	135.80	135.80
14.12.1	17.36.2	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 (1 cement :2 fine sand) in S.C.I/C.I. Pipes: 100 mm dia pipe	each	73.72	2	2	147.44	147.44
14.13.1.1	17.56.1.2	Providing and fixing terminal guard : 100 mm; Sand cast iron S&S as per IS:3989	each	427.77	1	1	427.77	427.77
14.14.1	17.59.1	Providing and fixing M.S.stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter : 100 mm	each	73.72	1	1	73.72	73.72
14.15.1	19.15.1	Providing M.S.foot rests including fixing in manhole with 20 x 20 x 10 cm cement concrete blocks 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design : With 20 x 20 mm square bar	each	276.45	8	8	2211.60	2211.60
14.16.1.1	19.19.3.1	Providing and fixing in position precast R.C.C.manhole cover and frame of required shape and approved quality: H D -20; Circular shape 560 mm internal diameter	each	1684.89	2	2	3369.78	3369.78
14.17.1	19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 7.5 and S.W.drain pipe 100 mm diameter, 1.8 m long complete as per standard design: With common burnt clay F.P.S (non modular) bricks of class designation 7.5	each	3870.30	1	1	3870.30	3870.30
SH-ALUMINIUM WORK								
15.1.1.1	21.1.1.3	Providing and fixing anodised 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 fastners 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/penelling, 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): For fixed portion, Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	491.79	50	50	24589.50	24589.50
15.1.2.1	21.1.2.3	Providing and fixing anodised 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 fastners 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/penelling, 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): 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); Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	543.20	583	583	316685.60	316685.60
15.2.1	21.2.1	Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board Grade I,Type II conforming to IS :12823 in panelling fixed in aluminium doors, windows shutters and partition frames with C.P.brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge: Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	sqm	1131.99	41	41	46411.59	46411.59
15.3.1	21.3.2	Providing and fixing glazing in aluminium door, windows, 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): With float glass panes of 5.50 mm thickness.	sqm	1097.07	17	17	18650.19	18650.19

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15.4.1	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete; Upto 5 mm depth and 5 mm width.	metre	90.21	155	155	13982.55	13982.55
15.5.1	21.11.2	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete; 255 x 19 mm	each	277.42	41	41	11374.22	11374.22
TOTAL OF Annexure-ID							3261246.10	3431388.95
Substitute Items								
SB-1	Modified 5.3.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases, Columns and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	Cum	5335.00	0	95	0.00	506825.00
Total of Substitute items							0.00	506825.00
Extra Items								
Ex-1	✓	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	Cum	327.86	0	300	0.00	98358.00
Ex-2	18.11	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.						
	18.11.1	15 mm dia nominal bore	metre	306.05	0	12	0.00	3672.60
	18.11.2	20 mm dia nominal bore	metre	333.85	0	24	0.00	8012.40
Total of Extra Items items							0.00	110043.00
TOTAL OF OLD AGE HOME GHUMANHERA INCLUDING SUBSTITUTE ITEMS AND EXTRA ITEMS							3261246.10	4048256.95
Electrical old age home Ghumanhera village (Annexure-IE)								
1.1	1.8	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.						
1.1.1	1.8.3	Group C	Point	582	59	59	34338.00	34338.00
1.2	1.30	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	Each	950.6	7	7	6654.20	6654.20
1.3	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	58.2	65	65	3783.00	3783.00
1.4	1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	145.5	55	55	8002.50	8002.50
1.5	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required				0	0.00	0.00
1.5.1	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	97.00	90	90	8730.00	8730.00
SUB HEAD (Fittings)							0	0.00
2.1	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	242.5	17	17	4122.50	4122.50
2.2	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	242.5	20	20	4850.00	4850.00
2.3	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	97	4	4	388.00	388.00
2.4	1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	242.5	15	15	3637.50	3637.50

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2.5	1.46	Installation, testing and commissioning of resistance type ceiling fan regulator, in existing switch box including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing the regulator etc. as required.	Each	242.5	15	15	3637.50	3637.50
2.6	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				0	0.00	0.00
2.6.1	1.50.1	Upto 450 mm sweep	Each	291	3	3	873.00	873.00
2.7	1.51	Extra for fixing the louvers/ shutters, complete with frame for a exhaust fan of all sizes.	Each	339.5	3	3	1018.50	1018.50
		Sub Head -III (L.T.Panels & Distribution Panel UPS And Cables)				0	0.00	0.00
3.1	2.8	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				0	0.00	0.00
3.1.2	2.8.2	6 way (4 + 18), Single door	Each	1455	1	1	1455.00	1455.00
3.2	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0	0.00	0.00
3.2.1	2.10.1	Single pole	Each	145.5	18	18	2619.00	2619.00
3.3	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0	0.00	0.00
3.3.1	2.13.2	63 amps	Each	727.5	1	1	727.50	727.50
4.0		Sub Head -IV (EARTHING)				0	0.00	0.00
4.1	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	4850	2	2	9700.00	9700.00
4.2	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	106.7	10	10	1067.00	1067.00
5.3	5.9	Supplying and laying 25 mm X 5 mm G.I. strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	87.3	5	5	436.50	436.50
4.5	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	111.55	5	5	557.75	557.75
5.0		Sub Head V (Service Connection)				0	0.00	0.00
		Service Connection charges for taking L.T. Connection and metering for electric supply company L.S.	L.S.	3492	1	1	3492.00	3492.00
		Sub Head -I (Fitting)				0	0.00	0.00
1.1		Supply of surface mounted prewired fluorescent / CFL type Ceiling light fixtures with required nos. TL-5 Lamp/ CFL lamps, control gear box electronics choke etc. complete in all respect as required as per the standard catalogue item no. or similar as approved.				0	0.00	0.00
1.1.1	MR	2 x 28 W TL-5 Surface mounting (cat. No. GCX620 2X28 W TL-5 EBP M/s Philips	Nos.	1746	11	11	19206.00	19206.00
1.1.2	MR	1 x 28 TL-5 Box Type fitting (Miroalta slim T-5 TMS 540 HP Philips similar)	Nos.	1455	26	26	37830.00	37830.00
1.2		Supply of AC 230/250 Volts, 50 Hz ceiling fan with standard down rod , blades, Caps etc. Complete as required (Bajaj, Crompton, Havells)				0	0.00	0.00
1.2.1	MR	1200mm Sweep	Nos.	1940	9	9	17460.00	17460.00
1.2.2	MR	1400mm Sweep	Nos.	1940	6	6	11640.00	11640.00
1.3	MR	Supply of AC 230/250 Volts, 50 Hz heavy duty exhaust fans including providing louver shutter and nuts , Bolts Mounting frame and other accessories etc. Complete (Make Bajaj, Crompton, Havells)				0	0.00	0.00
	MR	300mm sweep 900 Rpm	Nos.	2425	3	3	7275.00	7275.00
		TOTAL of Electrical old age home Ghumanhera village (Annexure-IE)					193500.45	193500.45
		Construction of Panchayat ghar at gummanhera village (Annexure-IF)						
		SH-1 CARRIAGE OF MATERIAL						
	1.1	Carriage of materials by manual labour including loading, unloading and stacking for lead up to 10km.						
	1.1.2	Earth	cum	67.9	33	33	2240.70	2240.70
		SH-2- EARTH WORK						
2.1.1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift upto 1.5 m. disposed earth to be levelled and neatly dressed. All kind of soil.	cum	101.85	69	69	7027.65	7027.65
2.2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each eposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	77.6	102	158	7915.20	12260.80

BÔQ for Amendment-I

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2.3.1	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified : Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	Liter	77.6	136	136	10553.60	10553.60
2.4.1.1	2.35.2.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc. : With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	meter	106.7	68	68	7255.60	7255.60
2.5.1	2.35.3.1	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 : 2 (1 cement : 2 Coarse sand) to match the existing floor : With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	Sqm	48.5	210	210	10185.00	10185.00
2.6.1	2.35.4.1	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	meter	97	68	68	6596.00	6596.00
SH-3 CONCRETE WORK								
3.1.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3249.5	34	34	110483.00	110483.00
3.2	4.10.	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	Sqm	3977	23	23	91471.00	91471.00
3.3	4.13.	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	203.7	23	23	4685.10	4685.10
3.4	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	Sqm	174.6	62	62	10825.20	10825.20
SH-4 R.C.C. WORK								
4.1	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :						
4.1.1	5.9.3.	Suspended floors, roofs, landings, balconies and access platform	Sqm	320.1	189	189	60498.90	60498.90
4.1.2	5.9.4	Shelves (Cast in situ)	Sqm	1067	8	8	8536.00	8536.00
4.1.3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	1164	28	28	32592.00	32592.00
4.1.4	5.9.19	Weather shade, Chajjas, corbels etc., including edges.	Sqm	1067	17	17	18139.00	18139.00
4.2.	5.13	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in small lintels not exceeding 1.5 m clear span upto floor five level including the cost of required centring shuttering and finishing smooth with 6 mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	4074	1	1	4074.00	4074.00
4.3.1	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars	KG	67.9	4003	6200	271803.70	420980.00
4.4.1	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses plinth and string courses fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	5335	33	62	176055.00	330770.00
SH-5- BRICK WORK								
5.1.1	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	3686	38	60	140068.00	221160.00
5.2.1	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:6 (1 cement : 6 coarse sand)	CUM	3686	64	80	235904.00	294880.00
5.3.1	6.12.1	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in.Cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm	194	7	7	1358.00	1358.00
5.4.1	6.13.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	174.6	13	13	2269.80	2269.80
5.5	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	38.8	20	20	776.00	776.00
6.1	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality)	each	339.5	7	7	2376.50	2376.50
6.2	9.77	Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles with necessary screws etc. complete (best make of approved quality)	each	339.5	4	4	1358.00	1358.00

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6.3	9.97	Providing and fixing aluminium tower bolts ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with necessary screws etc. complete						
6.3.1	9.97.1	300 x10 mm	each	271.6	7	7	1901.20	1901.20
6.3.2	9.97.4	150x10mm	each	145.5	7	7	1018.50	1018.50
6.3.3	9.97.5	100x10mm	each	44.62	4	4	178.48	178.48
6.4	9.100.	Providing and fixing aluminium handles ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour or shade with necessary screws etc. complete.						
6.4.1	9.100.2	100mm	each	533.5	24	24	12804.00	12804.00
6.5.1	9.101.2	Providing and fixing aluminium hanging floor door stopper ISI marked anodised anodic coating not less than grade AC 10 as per IS:1868 transparent or dyed to required colour & shade with necessary screws etc. complete Twin rubber stopper	each	174.6	14	14	2444.40	2444.40
SH-7 FLOORING								
7.1.1	11.10.3	40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 31 mm thick cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 12.5 mm nominal size) and top layer 9 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4 mm to 7 mm nominal size laid in cement marble powder mix 3:1 (3 cement :1 marble powder) by weight in proportion of 4:7 (4 cement marble powder :7 marble chips) by volume including cement slurry etc. complete. Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	485	187	187	90695.00	90695.00
7.2.1.1	11.12.1.3	Marble chips skirting (upto 30 cm height) rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement :1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix :7 marble chips) by volume : 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement :3 coarse sand), Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	203.7	15	15	3055.50	3055.50
7.3.1	11.13.1	Providing and fixing glass strips in joints of terrazzo /cement concrete floors 40 mm wide and 4 mm thick	metre	29.1	331	331	9632.10	9632.10
7.4	11.14	Extra for laying terrazzo flooring on staircase treads not exceeding 30 cm in width including cost of forming, nosing etc.	sqm	151.32	1	1	151.32	151.32
7.5	11.36	Providing and fixing 1st quality ceramic glazed tiles conforming to IS :15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matchig shade complete.	sqm	145.5	120	120	17460.00	17460.00
7.6	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS :15622 of approved make in all colours such as White, Ivory, Grey, Fume Red Brown laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete.	sqm	291	47	47	13677.00	13677.00
SH-8- ROOFING								
8.1.1	12.41.2	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single socketed pipes 110 mm diameter	Meter	194	16	16	3104.00	3104.00
8.2.	12.42.	Providing and fixing on wall face unplasticised -PVC moulded fittings/accessories for unplasticised -Rigid PVC rain water pipes conforming to IS :13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion.				0	0.00	0.00
8.2.1	12.42.5.2	Bend 87.5o; 110 mm bend	each	339.5	4	4	1358.00	1358.00
8.2.1.1	12.42.6.2	Shoe (Plain); 110 mm shoe	each	194	4	4	776.00	776.00
8.4	12.43.2	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S.screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement :4 coarse sand) and making good the wall etc. complete. 110 mm	each	921.5	32	32	29488.00	29488.00
8.5	12.44	Providing and fixing to the intel mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	each	141.62	4	4	566.48	566.48
SH-9-FINISHING								
9.1.1	13.1.2	12 mm cement plaster of mix : 1:6 (1 cement :6 fine sand)	sqm	140.65	292	350	41069.80	49227.50
9.2.1	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement :6 fine sand)	sqm	174.6	292	350	50983.20	61110.00
9.3.1	13.4.2	12 mm cement plaster of mix : 1:6 (1 cement :6 coarse sand)	sqm	174.6	34	34	5936.40	5936.40
9.4	13.10	15 mm cement plaster 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.	sqm	203.7	206	206	41962.20	41962.20

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9.5.1	13.42.1	Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete, as per manufactures specification: Two or more coats on new work	sqm	58.2	515	515	29973.00	29973.00
9.6.1	13.43.1	Applying one coat of cement primer of approved brand & manufacture on wall surface: Cement primer.	sqm	58.2	515	515	29973.00	29973.00
9.7.1	13.45.1	Finishing walls with textured exterior paint of required shade: New work (two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @ 2.20 kg/10sq	sqm	145.5	295	295	42922.50	42922.50
SH-10 -ALUMINIUM								
10.1.1	21.1.1.3	Providing and fixing anodised 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): For fixed portion; Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	491.79	415	415	204092.85	204092.85
10.1.2	21.1.2.3	Providing and fixing anodised 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): 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); Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	543.2	254	254	137972.80	137972.80
10.2.1	21.2.1	Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS :12823 in panelling fixed in aluminium doors, windows shutters and partition frames with C.P.brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge: Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	sqm	161.99	21	21	3401.79	3401.79
10.3.1	21.3.2	Providing and fixing glazing in aluminium door, windows, 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): With float glass panes of 5.50 mm thickness.	sqm	1097.07	45	45	49368.15	49368.15
10.4	21.4.	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				0	0.00	0.00
10.4.1	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	each	970	3	3	2910.00	2910.00
10.5	21.11.	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.						
10.5.1	21.11.2	255 X 19 mm	each	261.9	52	52	13618.80	13618.80
10.6	21.14	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).	Kg	90.21	143	143	12900.03	12900.03
10.7	21.15.	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete.	each	97	24	24	2328.00	2328.00
SH-11- WATER PROOFING								

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11.1	22.7.1	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.						
11.1.1		d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	Sqm	875.91	189	189	165546.99	165546.99
SH-12- HORTICULTURE & LANDSCAPING								
12.1		Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 8% for payment).	Cum	327.86	33	350	10819.38	114751.00
SH-13- NON SCHEDULE ITEMS								
13.1		P/F Rabbit wire mesh at the junction of RCC and Brick work in c.m. and brick work in C.M. 1:3 cement:2 coarse sand) etc. complete	Cum	2910	12	12	34920.00	34920.00
TOTAL OF Annexure-IF							2294055.82	2864576.84
EXTRA ITEMS								
SANITARY INSTALATION								
EX-1	17.2.2	Providing and fixing white vitreous china pedstal type water closet (European type W.C.pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS :7231, with all fittings and fixture complete including cutting and making good the walls and floors wherever required : W.C.pan with ISI marked black solid plastic seat and lid	each	5820.00		3	0.00	17460.00
EX-2	17.7.4	Providing and fixing wash basin with C.I. brackets,15 mm C.P. brass pillar taps, 32mm C.P.brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White vitreous China; Flat back wash basin size 550 x 400 mm with a single 15 mm C.P.brass pillar tap	each	3395.00		2	0.00	6790.00
EX-3	17.10.1.3	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per IS :13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required: Kitchen sink with drain board; 510 x1040 mm bowl depth 200 mm	each	7275.00		1	0.00	7275.00
EX-4	17.28.2.1	Providing and fixing P.V.C.waste pipe for sink or wash basin including P.V.C.waste fittings complete: Flexible Type; 32 mm dia	each	232.80		2	0.00	465.60
EX-5	17.31	Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P.brass screws and washers complete:	each	1164.00		2	0.00	2328.00
EX-6	17.33	Providing and fixing 600 x 120 x 5 mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P.brass brackets and guard rail complete fixed with 40 mm long screws,rawl plugs etc.,complete:	each	1940.00		2	0.00	3880.00
EX-7	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia; Sand cast iron S&S pipe as per IS: 1729	metre	1164.00		4	0.00	4656.00

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EX-8	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm diameter; Sand cast iron S&S pipe as per IS: 1729	metre	776.00		8	0.00	6208.00
EX-9	17.39.1.1	Providing and fixing plain bend of required degree: 100 mm; Sand cast iron S&S as per IS-1729	each	434.50		2	0.00	869.00
EX-10	17.39.2.1	Providing and fixing plain bend of required degree: 75 mm; Sand cast iron S&S as per IS-1729 pipe	each	219.75		2	0.00	439.50
EX-11	17.57.1.2	Providing & fixing collar : 100 mm : Sand cast iron S&S as per IS-3989	each	291.00		2	0.00	582.00
EX-12	17.58.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	each	243.75		8	0.00	1950.00
EX-13	17.58.2	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 75 mm	each	205.30		8	0.00	1642.40
EX-14	17.60.1.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100 mm inlet and 100 mm outlet; Sand cast iron S&S as per IS: 3989	each	999.10		2	0.00	1998.20
EX-15	17.60.2.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100 mm inlet and 75 mm outlet; Sand cast iron S&S as per IS: 3989	each	1047.60		2	0.00	2095.20
EX-16	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distances from wall of standard shape with bracket of the same materials with snap fittings of approved quality colour and make, weighing not less than 105 gms.	each	232.80		2	0.00	465.60
EX-17	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with a minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality, colour and make weighing not less than 88 gms.	each	194.00		2	0.00	388.00
WATER SUPPLY								
EX-18	18.10.	Providing and fixing G.I.pipes complete with G.I.fittings and clamps, including cutting and making good the walls etc.; Internal work - Exposed on wall, dia. nominal bore						
	18.10.1	15mm nominal bore	metre	368.60		21	0.00	7740.60
	18.10.2	20mm nominal bore	metre	452.99		8	0.00	3623.92
EX-19	18.11	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.						
	18.11.1	15 mm dia nominal bore	metre	306.05		12	0.00	3672.60
	18.11.2	20 mm dia nominal bore	metre	333.85		24	0.00	8012.40
EX-20	18.12.3	Providing and fixing G.I.pipes complete with G.I.pipes complete with G.I.fittings including trenching and refilling etc.; external work; 25 mm dia nominal bore	metre	378.30		16	0.00	6052.80
EX-21	18.15.1	Providing and fixing brass bib cock of approved quality: 15 mm nominal bore	each	378.30		4	0.00	1513.20
EX-22	18.16.1	Providing and fixing brass stop cock of approved quality: 15 mm nominal bore	each	287.12		6	0.00	1722.72
EX-23	18.18.	Providing and fixing ball valve (brass) of approved quality complete: High or low pressure with plastic floats;						
	18.18.2	20 mm nominal bore	each	500.52		2	0.00	1001.04
	18.18.3	25 mm nominal bore	each	530.59		1	0.00	530.59
EX-24	18.21.2.1	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length; 15 mm nominal bore	each	68.60		4	0.00	274.40
EX-25	18.40.	Painting G.I.pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality:						
	18.40.1	15 mm diameter pipes	metre	5.80		21	0.00	121.80
	18.40.2	20 mm diameter pipes	metre	6.85		8	0.00	54.80
	18.40.3	25 mm diameter pipes	metre	8.75		16	0.00	140.00
EX-26	18.41.3	Providing and filling sand of grading zone V or coarser grade around the G.I.pipes in external work: 25 mm dia pipe	metre	291.00		16	0.00	4656.00
EX-27	18.48	Providing and placing on terrace (at all floor levels) Polythylene water storage tank ISI :12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre capacity	8.25		2000	0.00	16500.00
SH-13 DRAINAGE								
EX-28	19.1.1	Providing, laying and jointing glazed stoneware pipes grade A with stiff mixture of cement mortar in the proportion of 1:1 (1 cement :1 fine sand) including testing of joints etc. complete: 100 mm diameter	metre	106.70		43	0.00	4588.10
EX-29	19.2.1	Providing and laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone aggregate 40 mm nominal size) around S.W.pipes including bed concrete as per standard design : 100 mm diameter S.W.pipe	metre	388.00		43	0.00	16684.00
EX-30	19.4.1.1	Providing and fixing square-mouth S.W.gully trap grade A complete with C.I.grating brick masonry chamber with water tight C.I.cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100 x 100 mm size P type; With common burnt clay F.P.S. Bricks of class designation 7.5	each	1358.00		2	0.00	2716.00

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EX-31	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) R.C.C.top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size),foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90 x 80 cm and 45 cm deep including C.I.cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg), With common burnt clay F.P.S.(non modular) Bricks with class of designation 7.5	each	1358.00		8	0.00	10864.00
EX-32	19.8.1.1	Extra for depth for manholes: Size 90 x 80 cm; With common burnt clay F.P.S.(non modular) bricks class of designation 7.5	metre	5044.00		1	0.00	5044.00
Septic Tank & Soak Pit								
EX-33	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed: All kind of soil.	cum	67.90		22	0.00	1493.80
EX-34	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m .	cum	67.90		2	0.00	135.80
EX-35	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-All work upto plinth level: 1:4, 8 (1cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size)	cum	3395.00		2	0.00	6790.00
EX-36	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	5335.00		2.01	0.00	10723.35
EX-37	5.9.2	Centring and shuttering including strutting, propping etc. and removal of form for: Walls (any thickness) including attached pillasters, buttresses, plinth and string courses etc.	sqm	360.80		8	0.00	2886.40
EX-38	5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform.	sqm	401.65		13	0.00	5221.45
EX-39	5.9.5	Centring and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers.	sqm	332.15		2	0.00	664.30
EX-40	5.22.6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete: Thermo-Mechanically treated bars.	kg	75.66		464	0.00	35106.24
EX-41	6.1.2	Brick work with common burnt clay F.P.S. (non Modular)bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	3977.00		5	0.00	19885.00
EX-42	11.3.1	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. 40 mm thick with 20mm nominal size stone aggregate	sqm	564.54		11	0.00	6209.94
EX-43	13.8.2	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:4 (1 cement :4 fine sand)	sqm	155.20		19	0.00	2948.80
EX-44	13.16.1	6 mm cement plaster to ceiling of mix : 1:3 (1 cement :3 fine sand)	sqm	174.60		16	0.00	2793.60
EX-45	17.35.1.2	Providing and fixing soil, waste and vent pipes : 100 mm dia; Centrifugally cast (spun) iron socketed pipe as per IS:3989	metre	67.90		2	0.00	135.80
EX-46	17.36.2	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 (1 cement :2 fine sand) in S.C.I/C.I. Pipes: 100 mm dia pipe	each	73.72		2	0.00	147.44
EX-47	17.56.1.2	Providing and fixing terminal guard : 100 mm; Sand cast iron S&S as per IS-3989	each	427.77		1	0.00	427.77
EX-48	17.59.1	Providing and fixing M.S.stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter : 100 mm	each	73.72		1	0.00	73.72
EX-49	19.15.1	Providing M.S.foot rests including fixing in manhole with 20 x 20 x 10 cm cement concrete blocks 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design : With 20 x 20 mm square bar	each	276.45		8	0.00	2211.60
EX-50	19.19.3.1	Providing and fixing in position precast R.C.C.manhole cover and frame of required shape and approved quality: H D -20; Circular shape 560 mm internal diameter	each	1684.89		2	0.00	3369.78
EX-51	19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 7.5 and S.W.drain pipe 100 mm diameter, 1.8 m long complete as per standard design: With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	3870.30		1	0.00	3870.30
TOTAL OF EXTRA ITEMS								2,60,100.56
Total of Panchayat ghar including extra items							2294055.82	3124677.40

BOQ for Amendment-I

LOA No.:

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
Internal Electrical works for Panchayat ghar at gummanhera village (Annexure-IG)								
1.1	1.8	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				0	0.00	0.00
1.1.1	1.8.3	Group C	Point	582	39	39	22698.00	22698.00
1.2	1.30	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	Each	950.6	5	5	4753.00	4753.00
1.3	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	77.6	40	40	3104.00	3104.00
1.4	1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	145.5	35	35	5092.50	5092.50
1.5	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required						
1.5.1	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	48.5	60	60	2910.00	2910.00
SUB HEAD (Fittings)								
2.1	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	242.5	8	8	1940.00	1940.00
2.2	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	242.5	14	14	3395.00	3395.00
2.3	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	97	4	4	388.00	388.00
2.4	1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	242.5	10	10	2425.00	2425.00
2.5	1.46	Installation, testing and commissioning of resistance type ceiling fan regulator, in existing switch box including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing the regulator etc. as required.	Each	242.5	10	10	2425.00	2425.00
2.6	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				0	0.00	0.00
2.6.1	1.50.1	Upto 450 mm sweep	Each	242.5	3	3	727.50	727.50
2.7	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	242.5	3	3	727.50	727.50
Sub Head-III (L.T.Panels & Distribution Panel)								
3.1	2.8	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				0	0.00	0.00
3.1.1	2.8.1	4 way (4 + 12), Single door	Each	1455	1	1	1455.00	1455.00
3.2	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
3.2.1	2.10.1	Single pole	Each	164.9	12	12	1978.80	1978.80
3.3	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
3.3.1	2.13.2	63 amps	Each	776	1	1	776.00	776.00
Sub Head-IV (EARTHING)								
4.1	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	2910	2	2	5820.00	5820.00
4.2	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	87.3	10	10	873.00	873.00

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BOQ for Amendment-I

LOA No.:-

Sr. No.	BOQ item code	applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	Unit	Rate as Per LOA	QUANTITY		AMOUNT	
					As per LOA	As Per Amend-I	As per LOA	As Per Amend-I
4.3	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	77.6	5	5	388.00	388.00
4.5	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	87.3	5	5	436.50	436.50
Sub Head V (Service Connection)								
5		Service Connection charges for making L.T. Connection and metering for electric supply company L.S.	L.S.	970	1	1	970.00	970.00
Sub Head -I (Fitting)								
1.1		Supply of surface mounted prewired fluorescent / CFL type Ceiling light fixtures with required nos. TL-5 Lamp/ CFL lamps, control gear box electronics choke etc. complete in all respect as required as per the standard catalogue item no. or similar as approved.						
1.1.1	MR	2 x28 W TL-5 Surface mounting (cat. No. GCX620 2X28 W TL-5 EBP M/s Philips	Nos.	2134	14	14	29876.00	29876.00
1.1.2	MR	1 x 28 TL-5 Box Type fitting (Miroalta slim T-5 TMS 540 HP Philips similar)	Nos.	1746	8	8	13968.00	13968.00
1.2		Supply of AC 230/250 Volts, 50 Hz ceiling fan with standard down rod , blades, Caps etc. Complete as required (Bajaj, Crompton, Havells)				0	0.00	0.00
1.2.1	MR	1200mm Sweep	Nos.	1552	1	1	1552.00	1552.00
1.2.2	MR	1400mm Sweep	Nos.	1649	9	9	14841.00	14841.00
1.3	MR	Supply of AC 230/250 Volts, 50 Hz heavy duty exhaust fans including providing louver shutter and nuts , Bolts Mounting frame and other accessories etc. Complete (Make Bajaj, Crompton, Havells)				0	0.00	0.00
1.3	MR	300mm sweep 900 Rpm	Nos.	2134	3	3	6402.00	6402.00
Total Of Internal Electrical works for Panchayat ghar at gummanhera village (Annexure-1G)							129921.80	129921.80
Grand Total (Annexure 1A+1B+1C+1D+1E+1F+1G)							9623118.84	11636595.07

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