

**Letter of Acceptance (LOA)**

LOA No: NCML/BASTI/CIVIL /2021-22/25/024

Date : 15.09.2021

To,  
M/s Archita Engineering Projects Pvt Ltd  
114-C, Aakansha Udyan-II, Eldeco Colony,  
Lucknow- 226025

**Contact: Mr. Vikram Gupta (7007385772), Email: aepl.hr@gmail.com**

**Name of Works:** CONSTRUCTION OF CIVIL & ASSOCIATED WORKS (PART-3) AT BASTI, FOR NCML BASTI PVT LTD

**Tender No.:** NCML/BASTI/CIVIL /2021-22/25

References: 1. M/s. Archita Engineering Projects Pvt Ltd Offer dtd. 30.08.2021  
3. Final Round of Negotiation dated 15.09.2021

With above references, M/s NCML BASTI Pvt. Ltd. ("NBPL") is pleased to notify M/s. Archita Engineering Projects Pvt Ltd that we have accepted your offer - subject to your acceptance to tender terms & conditions of NBPL.

**1.0 Scope of Work**

Construction of Civil & Associated works (Part-3) at BASTI Site for NCML BASTI Pvt Ltd. The scope of work shall be as per attached Annexure 1.

**2.0 Total Contract Price:**

The total contract price for above scope of works shall be **Rs 2,59,61,388/-** (Rupees Two Crore Fifty Nine Lakh Sixty One Thousand Three Hundred Eighty Eight Only). The price indicated above is inclusive of all taxes, duties & cess but exclusive of GST. Detailed Schedule of Rates/ BOQ with rates is attached as Annexure 1.

2.1 The Contract price shall remain firm till the Contract period/ Time Schedule and the further extension of the same, if any.

**3.0 Taxes and Duties:**

The above prices are exclusive of GST. Present rate of GST is 12%.

**4.0 Time Schedule:**

Time schedule of the present work is 4 months from the date of LOA. Bidder shall start mobilizing the resources such as Manpower, Machinery and Equipment within 10 days from date of the LOA. Contractor shall submit the following Documents within 10 days from the date of LOA.

- ABG, if advance required shall be submitted as per approved format.
- Mobilization and Construction Schedule.
- Proposed equipment to be deployed at site.
- Curriculum vitae of manpower to be deployed at site.
- PBG shall be submitted as per approved format within 15 days from the date of LOA failing which will lead to the cancellation of LOA with discretion of NCML BASTI Pvt Ltd.

**NCML BASTI PRIVATE LIMITED**

Registered Address: Floor 3, Plot No. 883, Udyog Vihar, Phase 5 Gurgaon, Haryana-122008  
CIN: U01100HR2017PTC067139



**5.0 Payment Terms:****5.1) Mobilization Advance:**

The civil contractor shall be paid 10% of the contract price as interest free Mobilization Advance out of which 5% after the signing of contract and 5% after the complete mobilization which refers to set up of fully functional storage space for all kind of construction materials, testing lab equipped with all tools and tackles, labor hutment, office space, arrangement of lighting and water. This advance shall be paid against a Bank Guarantee from any Scheduled Bank to be furnished by the contractor. The Bank Guarantee furnished shall be valid up to date of completion of entire work as stipulated in the contract **with additional 3 months. Lapsed guarantees need to be renewed as and when instructed by Client.** The advance amount will be adjusted on pro-rata basis from all running / interim bills. . ABG shall be released once the advance has been adjusted. However, mobilization advance shall be released based on availability of funds and it shall not be the right of contractor to get the advance.

**5.2) Running Account Bills (RA Bills):**

- i) 95% of the RA Bill amount will be paid after scrutiny within 30 (Thirty working days) days from submission of clear bill by contractor.
- ii) Rest 5% will be retained and the same will be paid after completion of work and along with final bill.
- iii) Any payment, whether the advance or against RA bill shall be released only after the submission of PBG.

**6.0 Security Deposit:**

Security Deposit shall be 5% of contact value and the same shall be submitted in the form of DD or Bank Guarantee which shall be valid till defect liability period plus 3 months claim period. Initial Security shall also to be converted as security deposit. However, for balance amount, bidder shall furnish either Bank Guarantee or DD.

**7.0 Project & Engineer-in-Charge:**

After receipt of work order, contractor shall contact Mr. Atul Shyam Dahekar (Mb No :+91-8105195710) for necessary mobilization and further activities.

**8.0 Terms & Conditions:**

All the other terms and conditions shall be as per Tender Document No. NCML/BASTI/CIVIL/2021-22/25

**9.0 Acceptance:**

Bidder shall enter in to an agreement with NBPL for execution of contract for which bidder shall bring Stamp Paper Valued Rs. 200.

Kindly send us one copy of this work order duly signed and stamped as a token of your acceptance of the same without any reservations or modification in this work order.

Contractor's acceptance

For M/s Archita Engineering Projects Pvt Ltd



For NCML BASTI Pvt Ltd

*Niraj Kumar Singh*  
Niraj Kumar Singh  
Chief Silo

**NCML BASTI PRIVATE LIMITED**

Registered Address: Floor 3, Plot No. 883, Udyog Vihar, Phase 5 Gurgaon, Haryana-122008

CIN: U01100HR2017PTC067139



**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
1	A	<b>Earthwork</b>				
2	A1	Excavation in foundations by mechanical/Manual means in all types of stratas, murum, boulders etc. clearing of vegetation, shoring, bailing out/ pumping out water including necessary shoring and strutting, refilling the excavated material in sides of plinth and foundations in layer not more than 200mm each watering, ramming, Compacting, wherever required, lifting, levelling and dressing, compacting (min 95% compaction) the surplus earth/ stacking useful materials and removing surplus excavated materials from site etc. complete with measurement shall be paid only for PCC dimensions.				
3	A1.1	from 0 to 1.5m	Cum	3,791.01	120	4,54,921.59
4	A1.2	from 1.5 to 3 m	Cum	150.00	150	22,500.00
5	A1.3	from 3 to 4.5m	Cum	-		-
6	A1.4	from 4.5 to 6m	Cum	-		-
7	A1.5	from 6 to 7.5m	Cum	-		-
8				-		-
9	A2	Providing and laying dry rubble stone packing of 230 mm thick hand set in regular lines, interstices being filled in with small pieces of stones & with appropriate filling material, thoroughly rammed, Compacted and watered complete as directed and specified. Actual laid area shall be considered for payment with all deductions.	Sqm	90.00	650	58,500.00
10	A2.a	300mm thick Dry rubble packing		-		-
11				-		-
12	A3	Providing pre-constructional antitermite treatment to RCC structures, at different stages of construction by applying chemical emulsion Aldrin 0.5% E.C. or chlordane 1% E.C. Doses volume and application stages should strictly be as specified in IS 8313 (Part -II) 2001. Including pre-constructional soil treatment in foundation and plinth including drilling the holes of requisite size filling chemical along the exterior periphery of building below apron so as to form chemical barrier including all labour, material, tools & plants etc. complete with 10 years guarantee. Plinth area will be considered for payment.	Sqm	-		-
13				-		-
14	A4	Filling surplus available excavated earth (excluding rock) in trenches, plinth, in layers not exceeding 20 cm in depth: compacting each deposited layer by rolling, watering, testing etc complete as directed. (Compacted Volume shall be payment)	Cum	1,500.00	150	2,25,000.00
15				-		-
16	A5	Providing & Filling in Plinths and floors with hard murum brought by Contractor in layers of 150 to 200 mm depth. Compacting each deposited layer by rolling, watering, testing etc complete as directed. Compaction for all lift and leads and necessary royalty charges etc. complete as directed. [Compacted volume will be considered for payment].	Cum	-		-
17				-		-
18	A6	Providing & Filling in floors with good quality sand brought by Contractor in layers of 150 to 200 mm including dressing, levelling, compaction of base soil, watering compaction for all lift and leads and necessary royalty charges etc. complete. Compaction minimum 95%	Cum	-		-
19				-		-
20	A7	Disposing excess soil left after excavation of footing outside premises of plot boundry upto 5 km lead. Rate to be inclusive of Royalty charges if any.	Cum	454.20	120	54,504.00
21				-		-
22	A8	Clearing jungle including uprooting of trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish outside the periphery of the area cleared.	Sqm	-		-
23				-		-
24	A9	Clearing of Rank Vegetation including uprooting of grass, brush wood, and removal of rubbish outside the periphery of the area cleared.	Sqm	-		-
25				-		-
26	A10	Providing and laying Brickbat packing / Soling 230 mm thick hand set in regular lines, interstices being filled in with fine sand consolidated and watered complete as directed and specified by Engineer in-charge.	Sqm	-		-
27				-		-
28	A11	Providing and spreading 75 to 100 mm Coarse Aggregates of required Size in Transformer Area	Sqm	-		-
29				-		-
30	A12	Providing and laying Granular blanket of 300 mm thick in two layers of 150 mm (compacted thickness) each with 63mm/40mm down aggregate, interstices being filled in with small pieces of stones, coarse sand, both layers be thoroughly rammed with 10T static roller, consolidated and watered complete as directed and specified by Engineer In-charge.	Sqm	-		-
31	B	<b>Concrete Work (PCC Work)</b>				
32	B1	Providing and laying 75 mm & 100 mm thick PCC M-10 (1:3:6) in foundations footings, bases of columns & plinth beam, including Compacting, vibration, finishing, curing, dewatering as per specifications, including formwork / shuttering at all levels etc. all complete.	Cum	149.00	6670	9,93,830.00
33				-		-
34	B2	providing and laying 50mm thick damp proof coarse horizontally or vertical with grade M20 concrete mix using 10mm down grade aggregate mixed with water proofing compound conplast IC 421 x of fosroc or equivalent approved make as specified proportion including machine mixing, Compacting with vibrator curing etc.	Cum	-		-
35				-		-





BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd  
ARCHITA ENGINEERING PROJECTS PVT. LTD.

ANNEXURE 1

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
36	B3	Providing & laying 65mm thick Tremix cement concrete flooring in M-25 grade (RCC vacuumised dewatering system) complete as per specifications including fixing side guides/ rails, application of cement slurry, leveling & finishing, curing and protection complete with floor hardener topping using "Chapdur S" floor surface hardener of M/s Sika/ Deritop FH powder @ 5.5 Kg/ sqm while the concrete is still green as per manufacturer's specifications, in true line & level, laid, cured, etc at all levels. complete as per design The cost of reinforcement shall be paid separately in the respective item of reinforcement steel, finished rough or smooth as directed. Cost to be inclusive of 500 micron LDPE sheet which should be provided below tremix floor.	Sqm	-	-	-
37				-	-	-
38	B4	Providing and laying 500 micron LDPE sheet below concrete floor. [The item is payable if the tremix item is not executed.]	Sqm	-	-	-
39				-	-	-
40	B5	Providing and applying Dry shake Floor hardener on grade on floor slab surface as per manufacturers specification to avoid abrasion due to movement of Auger or other mechanical equipments. [Manufacturer: Fosroc, BASF, Sika, Ironite, Dolphin floats or equivalent]. Floor should be smooth finished with power trowel with kick-off float shoes. Curing need to be done firstly with concrete curing compounds for 1 day followed by pond method for minimum 15 days. Wet curing [Pond] should not begin until 24 hours after the final troweling. Hardener shall be 5 Kg/Sqm [The item is payable if the tremix item is not executed.]	Sqm	-	-	-
41	B-6	Providing and laying 75 mm thick 1:3:6 in foundations footings, bases of columns & plinth	Cum	-	-	-
42	B7	Providing and laying 100 mm thick 1:3:6 in foundations footings, bases of columns & plinth	Cum	-	-	-
43	C	RCC WORK		-	-	-
44	C1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to the site of laying excluding the cost of centering, shuttering and finishing including admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing the strength and durability including use of the chemical Polytancrete IWL at all levels as per manufacturer specifications and as per the direction of the Engineer-in-charge. M25 grade of reinforced cement concrete and excluding cost of reinforcement.		-	-	-
45	C1.a	In Sub Structure		-	-	-
46	C1.a.i	Footing	Cum	10.00	7500	75,000.00
47	C1.a.ii	RCC Raft	Cum	77.63	7700	5,97,712.50
48	C1.a.iii	Plinth Beam	Cum	-	-	-
49	C1.a.iv	Tie Beam	Cum	-	-	-
50	C1.a.v	Stub Columns	Cum	14.40	8000	1,15,200.00
51	C1.a.vi	RCC Wall	Cum	40.00	8000	3,20,000.00
52	C1.b	In Super Structure		-	-	-
53	C1.b.i	Floor Beam/Lintel Beam	Cum	-	-	-
54	C1.b.ii	Roof Beam	Cum	-	-	-
55	C1.b.iii	Slab/waist slab/ chajja	Cum	-	-	-
56	C1.b.iv	Grade Slab 250mm thick	Cum	-	-	-
57	C1.b.v	Columns	Cum	-	-	-
58				-	-	-
59	C2	Providing and laying 1:2:4 mix Plum concrete with maximum size of aggregates as 40mm and plums up to 200 mm size and up to 30% by volume of concrete mix, for filling in plinth, underside of foundations, etc., complete. (Shuttering shall be paid separately)	Cum	-	-	-
60				-	-	-
61	C3	Providing and fixing in position M.S/TOR steel conforming to IS : 432 / 1786 reinforcement of any dia. and grade Fe500 for RCC piles, pile caps, footings, foundations, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels, parris, copings, fins, arches etc as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with GI wires of SWG20 or welding and supporting as required at all locations and height all labour and materials etc. complete. Wastage in cutting will not be paid for. Only steel actually fixed in position will be paid by linear measurement including hooks and bends. No payment will be made for binding wires, pins, spacers and laps other than standard laps. No payment towards authorised/standard laps, Chairs, spacers and other supports as per BIS and or as directed by engineer in-charge for RCC beams, rafts, footings, slabs, columns, staircase, chajjas, retaining wall etc. as per detailed drawings and schedules including cutting, bending, and binding wire etc. complete as directed.	M.T.	5.28	64000	3,37,920.00
62				-	-	-
63	C4	Providing and doing 100 mm thick 1:2:4 (1 Part of Cement: 2 Part of Coarse Sand: 4 Part of Stone Aggregate) PCC for flooring. PCC need to be done in panels of size not more than 3.0 m x 4.0 m. Casting in panels should be done in crisscross manner. [Casting alternate panels]. Dry shake Floor hardener to be used on PCC top as per manufacturers specification to avoid abrasion due to movement of forklift. [Manufacturer: Fosroc, BASF, Sika, Ironite, Dolphin floats or equivalent]. Floor should be smooth finished with power trowel with kick-off float shoes. Curing need to be done firstly with concrete curing compounds for 1 day followed by pond method for minimum 15 days. Wet curing [Pond] should not begin until 24 hours after the final troweling. Minor hairline cracks may be observed over period of time wherever there is panel joints & 300 micron LDPE sheet need to be provided below PCC in floor at all levels. Hardener shall be 5 Kg/Sqm	Sqm	-	-	-
64				-	-	-
65	C5	Providing and doing saw cut groove of 8 mm wide with 35 mm depth in floor in panel of size 4 m x 6 m. Filling with polysulphide sealant of Sika/ Shalitex Bitumen or equivalent brand. The application and consumption should be as per manufacturers specifications. The rate should include Saw cutting, drying of joint with mechanical means, smooth finishing of groove surface with grinder, cleaning joint with compressed air, providing tape to the sides of groove, applying primer, filling sealant and finishing as instructed by site in-charge etc complete.	Rmt	-	-	-
66				-	-	-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
67	C6	Supplying, fabricating and erecting in Design shape or straight shape 1100 mm height (Approx) S.S. hand railing conforming to S.S.304, with 38mm OD & 1.6mm thickness, Vertical post (at an approximate distance of 1000 mm c/c., & at corners, change of direction) & Horizontal Knee rail (1 No at Top) and 25 OD & 1.6mm thickness, Horizontal rail (2 Nos), including all fittings, S, S base plates, S.S bottom cap, S.S. anchor bolts, scaffolding etc. all complete. The rate shall include fixing hand railing to steel platform, stair or concrete member with standard rigs fixing arrangement as required by Client. Note : Items shall be measured as total Running meter length of completed pipe railing(not individual pipe lengths). Supply of pipes, toe plate, bends & any other material required is included in the scope of bidder.	Rmt	-	-	-
68	C6a	only Cleaning, bending, straightening, cutting, as required, of old steel including application of cement slurry after cleaning, binding with new steel etc. with all complete	MT	-	-	-
69		<b>FORM WORK</b>		-	-	-
70	C7	Centering and shuttering up to all heights and any level including strutting, propping etc. and removal of forms as per design and direction with good timber/ply/steel material approved by the Site Incharge.		-	-	-
71	a)	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	200.00	450	90,000.00
72	b)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. sqm	Sqm	640.00	450	2,88,000.00
73	c)	Slab, Suspended floors, roofs, landings, balconies and access platform	Sqm	-	-	-
74	d)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	-	-	-
75	e)	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	96.00	500	48,000.00
76	f)	Stairs, (excluding landings) except spiral-staircases	Sqm	-	-	-
77	g)	Well staining sqm	Sqm	-	-	-
78	h)	Small lintels not exceeding 1.5 m clear span, sqm	Sqm	-	-	-
79	i)	Small surfaces such as cantilever ends, brackets and ends of steps, caps and bases to pilasters and columns and the like	Sqm	-	-	-
80	j)	Weather shade, Chajjas, corbels etc., including edges	Sqm	-	-	-
81	k)	Suspended floors, roofs, landings, balconies and access platform, with water proof ply 12 mm thick	Sqm	-	-	-
82	l)	Lintels, beams, plinth beams, girders, bressumers and cantilevers, with water proof ply 12 mm thick	Sqm	-	-	-
83				-	-	-
84	D	<b>STRUCTURAL STEEL</b>		-	-	-
85	D1	Providing and Fixing of structural steel in M.S. angles, channels (conform to IS:226) riveted, bolted or welded or fasteners in built up sections, trusses, canopies and framed work, including cutting, hoisting, welding (conform to IS:9595 & IS:814), riveting & anchor bolt, fixing in position and applying a Two or more priming coat of approved steel primer and 3 Coats of approved paint etc. complete.	M.T.	2.35	101000	2,37,119.81
86				-	-	-
87	E	<b>BRICK WORK</b>		-	-	-
88	E1	Providing and constructing 1st class brick work in 1:6 cement mortar including mixing non shrink additive like conbox 100 / Intraplast N200, (full size brick) using sand screened through 4.75mm sieve ensuring that no joint thickness is more than 12 mm thick, finished including curing, double scaffolding, raking out joints, prewetting of bricks, keying in existing brickwork, applying hack-aid-plast of Sunanda Speciality Coating Pvt Ltd. at the junction of RCC and brick masonry etc. complete. [Refer Civil Technical Specification Item for details]	Cum	125.00	6800	8,50,000.00
89				-	-	-
90	E2	Providing and constructing 115mm thick 1st class brick work in 1:6 cement mortar including r	Sqm	-	-	-
91				-	-	-
92	F	<b>FINISHES</b>		-	-	-
93	F1	Providing and laying 20mm thick smooth plaster in 2 coats backing coat 15 mm thick with cement mortar 1:4(1 part of cement: 4 part of coarse sand) including mixing of Waterproofing chemical, non shrink additive like conbox 100 / Intraplast N200, 2nd coat 5 mm thick in cement mortar 1:3(1 part of cement: 3 part of Coarse Sand) including mixing non shrink additive like conbox 100 / Intraplast N200, and finished with neat cement punning over brick walls including hacking of concrete surfaces, scaffolding, including chicken mesh, water proofing chemical at all locations, providing drip mould for chajja etc complete as directed.	Sqm	1,442.00	400	5,76,800.00
94				-	-	-
95	F2	Providing and laying 12 mm thick smooth plaster internal plaster with cement mortar 1:4(1 p	Sqm	-	-	-
96				-	-	-
97	F3	Providing plain cement plaster for the ceiling of roof slabs, staircase soffits with 6 mm thick c	Sqm	-	-	-
98				-	-	-
99	F4	Providing and applying India Gypsum Stucco plaster on the walls upto 10 - 12 mm thick patra finish including making grooves, dhar and corners.	Sqm	-	-	-
100				-	-	-
101	F5	Providing & Finishing walls with water proofing cement paint of required shade including applying one coat of cement primer of approved brand and manufacturers specifications :New work (Two or more coats applied @ 3.84 Kg/10 sqm) or as per manufacturer's specification.	Sqm	-	-	-
102				-	-	-
103	F6	Providing and preparing the surfaces to receive oil paint, oil bound distemper or synthetic enamel paint or plastic emulsion paint including scrapping the old paint with wire brush or blades or rubbing with sand papers as required, filling in cracks, etc. and treating the whole surface completely in case of walls with a solution of whiting powder or plaster of paris and double boiled linseed oil of best quality, second quality of synthetic enamel paint and glue in required proportion and consistency including rubbing with pieces of iron sheets ( Pulti) of best quality etc. complete and in case of wood work etc. filling all cracks etc. with best quality putty or hard glue, rubbing the same smooth etc. complete as directed.	Sqm	-	-	-
104				-	-	-
105	F7	Providing & Finishing walls with Premium Acrylic smooth exterior paint with silicone additiv	Sqm	-	-	-





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**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
106				-		-
107	F8	Marking on the floor inside the warehouse with 4" wide strips with oil paint in 3 coats with approved colour.	Rmt	-		-
108				-		-
109	F9	Providing and supplying all material and application of Acrylic distemper of approved brand and manufacturer to walls including preparation of surface, double scaffolding etc complete as per instruction of site in-charge. [new work two or more coats over to get even shade and including a priming coat with primer.	Sqm	-		-
110				-		-
111	F10	Providing and applying White washing in 3 coats with lime to give an even shade.	Sqm	-		-
112				-		-
113	G	<b>FLOORING</b>		-		-
114				-		-
115	G1	Providing and laying PCC (1 Part of Cement:4 Part of Coarse Sand:8 Part of Stone Aggregate)	Sqm	-		-
116				-		-
117	G2	Providing and laying vitrified tiles flooring of approved make of size 600 mm x 600 mm on bed of 1:4 C.M. including neat cement float, joint filling with white / color cement slurry, cleaning, curing, finished in line and level for all lead and lift etc. complete. As per drawing and as directed by engineer in charge	Sqm	-		-
118				-		-
119	G3	Providing and laying Anti skid vitrified floor tiles 300 x 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colour 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	-		-
120				-		-
121	G4	Providing and fixing machine mirror polished 20 mm platform 600 mm wide having opening for sink, wash basin including 25mm thick kaddappa, slab below platform and fixing border patti on front edge with nosing, including side design shaped both side polished granite on both edges to height of 450 mm above platform starting from the floor level filling joints, making connection for water inlet, etc. complete as directed by the engineer in charge and as per drawing. (Kota platform at Kitchen)	Rmt	-		-
122				-		-
123	G5	Providing and laying Indian patent stone flooring (IPS) including false marks of 300 mm x 300 mm	Sqm	-		-
124				-		-
125	G6	Providing & laying machine cut green kota stone flooring 25mm thick of size 600 x 600 (ap	Sqm	-		-
126				-		-
127	G7	Providing & laying machine cut green kota stone 25mm thick for skirting in backing coat in neat cement float mortar, filling joints with cement slurry, curing, rubbing, polishing ( The polishing should be mirror polish ), cleaning, all lead & lift etc complete. As per drawing and as directed by engineer in charge	Sqm	-		-
128				-		-
129	G8	Providing and fixing machine cut machine polished kota stone in single piece slabs in staircase in treads and risers on a bed of C.M 1:4 and neat cement float, filling joints with neat cement slurry, rubbing, polishing, including making three grooves on the edge of tread. And Making nosing with Half moulding on the front face of tread, all lead & lift etc complete. As per drawing and as directed by engineer in charge	Sqm	-		-
130				-		-
131	G9	Providing and fixing Gypsum False ceiling of India Gypsum make using moisture radiant board which includes Gypsteel ULTRA CRP surface ribbed perimeter channels(having one flange of 30mm and a web of 27mm) along the perimeter of Ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm centres, Then suspending Gypsteel ULTRA CRP surface ribbed intermediate channels of size 45mm ( with two flange of 15mm each) from the soffit at 1220mm centres with Gypsteel ULTRA CRP surface ribbed ceiling angle of width 25mmx10mm fixed to soffit with G.I. cleat and steel expansion fasteners(Mfg by saint Gobain Gyproc) The Gypsteel ULTRA CRP surface ribbed ceiling section of having web of 51.5mm and two flanges of 26mm each with lips of 10.5mm and then fixed to the Gypsteel ULTRA intermediate channel with the help of connecting clip and in direction perpendicular to the Gypsteel ULTRA intermediate channel at 457mm.	Sqm	-		-
132				-		-
133	G10	Providing and laying in required positions flooring of broken China Mosaic for Terraces of approved color and pattern set in a bed of 1:2 lime mortar or 1:4 cement mortar including neat cement or coloured cement float giving proper slopes, compaction, curing and finishing complete.	Sqm	-		-
134				-		-
135	G11	Providing & laying vitrified tiles for skirting 100 mm and Dado in backing coat in neat cement float mortar, including joint filling with white / color cement slurry, cleaning, curing, finished in line and level for all lead and lift curing, rubbing, polishing cleaning, all lead & lift etc complete. As per drawing and as directed by engineer in charge	Sqm	-		-
136				-		-
137	G12	Providing and fixing Double patti Kota frame in stepped form with lapping 50 to 75 mm in 20 mm to 25 mm thick Kota stone mirror polished [One face] fixed with cement paste with araldite and hold fast joinery and flushed with the finished surface to walls inclusive of 6 mm groove in wall at junction of stones and finished surface of wall, all exposed edges of sill to be full round bull nosed and machine mirror polished etc comeplete as per drawing and as per instruction of site incharge. Single running meter length of door and windows will be considered for payment.	Rmt	-		-
138				-		-
139	G13	Providing and laying SOMANI/ PAVIT/ ULTRA/ VIYARA/ or equivalent make chequered tiles of approved quality of size 30 cm x 30 cm for flooring in required position laid on a bed in cement mortar 1:3 bedding with fine joints, including cement floating, curing, cleaning, etc. all complete as specified and as directed.	Sqm	-		-
140				-		-





BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd						
ARCHITA ENGINEERING PROJECTS PVT. LTD.						
ANNEXURE 1						
Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
141	G14	Providing & laying Ceramic tiles Dado in backing coat in neat cement float mortar, including joint filling with white / color cement slurry, cleaning, curing, finished in line and level for all lead and lift curing, rubbing, polishing cleaning, all lead & lift etc complete. As per drawing and as directed by engineer in charge	Sqm	-	-	-
142				-	-	-
143	H	<b>WATER PROOFING</b>		-	-	-
144	H1	Providing material and doing waterproofing treatment through specialized agencies as per their specifications to the flooring of Terrace Slab, water closets, bathrooms, kitchen, naharies, washing places, sanitary blocks etc. including INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion and terrace slab shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water and finishing top surface with neat cement punning and false tile mark 300 x 300 mm. Plan area will be considered for payment.	Sqm	-	-	-
145				-	-	-
146	H2	Providing and doing Crystallization waterproofing from specialized waterproofing agency for Silo Tunnel on horizontal and retaining wall; with crystallization chemical (approved make) strictly as per manufacturer's guidelines. Including preparation of surface required for treatment including injection grouting with holes, polymer mortar application to rough surface etc. external face of the retaining wall shall be thoroughly cleaned and all concrete projections chipped. Protruding binding wires, wooden pieces, etc. shall be totally removed.		-	-	-
147				-	-	-
148	H3	The bolt holes, pipe sleeves, puddle flanges, cable duct etc. shall be plugged properly using micro concrete/ Patch n plug mortar admixed with approved chemical water proofing compound in the proportion recommended by the manufacturer. All constructions joints shall be cut in U shaped groove of approx. size 10mm x 10 mm and filled with Crystallization chemical modified mortar after applying the chemical mixed slurry. In case of honeycomb in retaining wall the unsound concrete shall be removed till the sound concrete is achieved and the cavity shall be filled with chemical mixed modified mortar etc. complete as per direction of site in-charge. Item is inclusive of cost of material, application by specialized waterproofing agency and guarantee of 10 yrs for waterproofing. Inner diemnsion of structure will be considered for payment.	Sqm	-	-	-
149				-	-	-
150	H4	Providing box type waterproofing treatment by approved waterproofing agency from outside of basement and lift pits & other underground structure during construction. This treatment shall be started after the P.C.C. bedding for the base slab waterproofing layer laid concrete on cement with rough Shahabad stone 20 mm thick well pointed in the joints with cement paste and other compound as per waterproofing agency's specifications. But confirming to IS: 2645-1975 Then surface shall be superimposed by regular R C C raft and base slab be as per design. After completion of floor slab & side walls, treatment of waterproof layer shall be continued along the outer surface of the walls. Up to a height of 30cm above adjacent ground level, complete as directed. Thus, treatment to carry 10 years guarantee Refilling outside the wall shall be filled with soft earth by the contractors and water proofing with soft earth by the contractors and water proofing of side walls shall not be damaged.	Sqm	-	-	-
151				-	-	-
152	H5	Providing and laying integral cement based waterproofing treatment At slabs including preparation of surface required for treatment including grouting, polymer mortar application to rough surface etc. consisting of application of slurry coat of neat cement using 2.7 kg /sqm of cement admixed with waterproofing compound conforming to IS 2645 in specified proportions and as approved by site in charge over RCC gutter bottom slab including adjoining beams including cleaning the surface before treatment. Laying second layer of fiber glass cloth when first layer is still green. The overlap of fiber glass cloth should not be less than 10 CM. Third layer to be of 1.5mm thickness consisting of slurry of cement @ 1.3 kg/sqm mixed with waterproofing cement compound @ 0.7 kg/sqm and coarse sand @ 1.28 Kg/Sqm. This need to be Air cure for 4 hours followed by constant water curing for 96 hours. Top layer should be of IPS. Lay 1:2:3 IPS 38mm thick rough finish including providing and adding waterproofing compound as per manufacturer's recommendations, curing by ponding, including providing and applying hack-aid-plast at the junction of old IPS & new IPS etc. complete	Sqm	-	-	-
153				-	-	-
154	I	<b>DOORS / WINDOWS</b>		-	-	-
155	I1	Providing and fixing wooden frame and flush door of an approved makes (5 ply) 40 mm thick of block board (solid core) lipped internally with 5 cm lipping with hard wood well seasoned and kiln-dried, bounded with liquid phenol formaldehyde synthetic resin, including fixing of laminate on both faces of approved design from client, complete as per specifications with 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame without fanlight and including approved fixtures and fastening hooks and eyes and screws including T.V. beading around flush door 12 mm thick etc. The rate includes concealed Lock of godrej make, door closure/floor spring of approved make, handle in SS of approved make. complete as directed by engineer in charge and as per drawings (the shutters shall conform to I.S. 2202 - 1966 in general).		-	-	-
156	I1.a	Double Leaf	Sqm	-	-	-
157	I1.b	Single leaf	Sqm	-	-	-
158	I1.c	Toilet Door 750 mm wide	Sqm	-	-	-
159				-	-	-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
160	I2	Providing & fixing powder coated aluminium sliding windows made from 18mm sliding window series (Jindal) section of 1.5 mm thk. and fixing in it 5mm thk. toughened reflective glass from Saint Gobain fixed with EPDM gasket and wool pile. Shutter shall be provided with concealed type locks, nylon rollers, filling the gaps between window frame and masonry face or granite/marble by means of silicon sealant on either side, including necessary scaffolding required for fixing windows at required location etc. all complete. 3 shutters on 3 tracks		-		-
161	I2.a.i	Fixed Glass Window	Sqm	-		-
162	I2.a.ii	Two Track Sliding Window	Sqm	-		-
163	I2.a.iii	Three track sliding window	Sqm	-		-
164				-		-
165	I2.b	Providing & fixing powder coated aluminium framed ventilators with adjustable glass louvers, with outer frame made from 18mm series (Jindal) section of 1.5 mm thk. and fixing in it 5mm thk. Fostered glass, & also provision of Exhaust fan etc. filling the gaps between window frame and masonry face or granite/marble by means of silicon sealant on either side, including necessary scaffolding required for fixing at required location etc. all complete.	Sqm	-		-
166		Fixed Glass		-		-
167				-		-
168	I3	Supplying & fixing rolling shutters of approved make of minimum 16 G, made of required size MS laths, interlocked together through their entire length & jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides & arrangements for inside, outside & central locking arrangement with push & pull operation complete including the cost of providing & fixing necessary 27.5 cm long wire springs grade no.2, Guard rail & MS top cover of 16 G for Rolling Shutter, including one coat primer and two coats of approved paint.	Sqm	-		-
169				-		-
170	I4	Providing and fixing aluminium work for Windows and ventilators with extruded built up standard hollow sections for window frames / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle and fixing glazed ventilators in walls, including fixing of 5mm thick float glass panes with glazing clips. Glass panes to be cut to size as per glazing clips C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.		-		-
171	I4.a	Glazed window 2' x 4' [2 panel]. Movable windows	Nos	-		-
172	I4.b	Louvered Ventilators 1.5' x 1.5'. Movable louvers glass Strips	Nos.	-		-
173				-		-
174	I5	Providing and fixing G.I. chain link/ welded mesh of opening 25 mm x 25 mm and made of 3mm dia wire in required size to outer side of Windows and ventilators, including fixing with nuts, bolts/ Nails and washers as required etc. complete as per the direction of Engineer-in-charge.		-		-
175	I5.a	Windows size 600 X1200 mm	Nos.	-		-
176	I5.b	Ventilators size 450X450	Nos.	-		-
177				-		-
178	I6	Providing and fixing Collapsible door inside the warehouse at alternate opening including one coat primer and two coats of approved paint	Sqmt	-		-
179				-		-
180	I7	Providing and fixing Box type mild steel grill work for windows, ventilators weighing 15 kg per sq.m as per drawing, including necessary fixture, welding and painting with one coat of primer and two coats of anti-corrosive paint etc. complete. [Clear opening size will be considered for payment]	Sqm	-		-
181				-		-
182	I8	Providing & fixing Bird mesh to window Grill ( Nylon material )	Sqm	-		-
183				-		-
184	I9	Supplying, fabricating, transportation to site and Fixing Galvanized Chain Link Fencing of 10 gauge G.I. Mesh, sizes 50 x 50 mm diamond pattern, fixed, 75 mm below finished ground level / coping, including providing and erecting ISA 75x75x6 angle posts @ 2.5m C/C with cross support at every 6th pole & at corners and 2 nos 6mm dia MS bars at top and bottom with necessary U hooks, nuts and bolts, washers, total height of fencing @ 2.0m above ground including embedding the angle post in concrete block of 0.45m x 0.45m x 0.6m of cement concrete M15 grade including necessary excavation, and cleaning, preparing the surface, applying one coat of red oxide zinc chromate primer and two coats of Synthetic Enamel paint of approved manufacture, brand, color, shade etc. complete as directed by Engineer In Charge. (first coat of synthetic enamel paint after fabrication and second coat after erection including touching up the primer)	Sqm	-		-
185				-		-
186	I10	Providing gate with locking arrangement in Chain link fencing	Sqm	-		-
187				-		-
188	I11	Providing & fixing single glazed powder coated aluminium fixed windows frame from 63*38*2mm thick hollow box section and fixing 5mm plain float glass fixed with aluminium beadings & EPDM gasket including fixing to the wall, filling the gaps between window frame and masonry face or granite/marble by means of silicon sealant on either side etc. all complete including necessary scaffolding required for fixing at required location	Sqm	-		-
189				-		-
190	I12	Providing and fixing in position PVC Rungs of require size for a Elevator Tower as per Drawing & Directed by Engineer Incharge.	Nos.	-		-
191				-		-
192	J	SANITARY WORK		-		-
193				-		-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
194	J1	Providing & Fixing of EWC wall mounted type Vitreous Chinaware Water Closet with ('P' / 'S' Trap), complete with 10 liter low level white P.V.C. flushing cistern, manually controlled device (handle lever) conforming to IS : 7231, including flush pipe, flexible inlet pipe, angular stop cocks with SS flange plate for flushing cistern with all fittings and fixtures complete, bracket with rock bolts for fixing, PVC seat cover with Lid, including cutting and making good the walls and floors wherever required. etc. completed ( Size Size: 535 mm X 360 mm X 380 mm, Jaguar Florantine series ) ( WHC-WHT-184A Wall Hung Cistern with Installation Kit ) or equivalent. As per approval of client and engineer in charge	Nos	-	-	-
195				-	-	-
196	J2	Providing & fixing of Stainless steel toilet paper holder with roller and Flap Recessed. ( Jaguar series ACN-1153N ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
197				-	-	-
198	J3	Providing & fixing of approved below counter Vitreous China Wash Basin with 15mm dia - 450mm long PVC connection pipe, including 32 mm dia waste pipe, 32 mm dia CP waste coupling, 32 mm dia CP brass bottle trap. The works shall include cutting and making good the walls and floors. Approved by the architect ( Jaguar continental series CNS-WHT-705 Size: 420 x 590 x 195 ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
199				-	-	-
200	J4	Providing and fixing Stainless Steel SS 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 :	Nos.	-	-	-
201	J4.a	S.S KITCHEN SINK 21" X 18 "X 8" Nirali plain glossy type or equivalent		-	-	-
202	J4.a.i	Including UPVC drain pipe & specials, 15mm dia - 450mm long PVC connection pipe, including 32 mm dia waste pipe, 32 mm dia CP waste coupling, 32 mm dia CP brass bottle trap. The works shall include cutting and making good the walls and floors. Approved by the architect		-	-	-
203				-	-	-
204	J5	Providing and fixing 3" dia. outlet deep seal C.I. nahani trap fixed on cement concrete bedding including making holes in the walls, C.P. jalli over it etc. complete.	Nos	-	-	-
205				-	-	-
206	J6	Providing and constructing Gully trap of size 9" x 12" of grade 'A' with C.I. frame and cover including constructing brick masonry chamber in cement mortar 1:4 plaster externally and cement mortar plaster 1:3 internally smooth, curing etc. complete.	Nos	-	-	-
207				-	-	-
208	J7	Providing & Fixing 15 mm CP angle cock with wall flange. completed (Jaguar FLR-5053N ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
209				-	-	-
210	J8	Supplying, installing and testing 15mm concealed angular stop cock of approved make CP wall flange complete.	Nos	-	-	-
211				-	-	-
212	J9	Supply, installation, testing and commissioning of necessary drainage and plumbing work for sanitary items as directed by the engineer In charge. The work consist of all 100 mm dia. PVC drainage pipes system required for drainage of waste water in toilet area, 25 & 32 mm GI pipe supply system and installation from OH tank to individual points. Necessary inspections chambers required [Max. 2 nos of size 450 x 600 mm] for connection to septic tank and soak pit etc complete. it includes GI pipe connection to individual toilets with disided dian (fixtures to be paid separately) pipes. Item also includes Drainage connectio from floor from draining out water from toilet with connection to septic tank with max 2 Nos IC. No extra for any traps to be provided on floor. ( Admin Building , Guard Room with Toilet)	Lum sum	-	-	-
213				-	-	-
214	J110	Supply, installation, testing and commissioning of necessary drainage and plumbing work for sanitary items as directed by the engineer In charge. The work consist of all 100 mm dia. PVC drainage pipes system required for drainage of waste water in toilet area, 25 & 32 mm GI pipe supply system and installation from OH tank to individual points. Necessary inspections chambers required [Max. 2 nos of size 450 x 600 mm] for connection to septic tank and soak pit etc complete.[ For Testing Lab , For Canteen Structure Toilet 2 No's]	Lump sum	-	-	-
215				-	-	-
216	J11	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 liter low level white P.V.C. flushing cistern, manually controlled device (handle lever) conforming to IS : 7231, including flush pipe, flexible inlet pipe, angular stop cocks with SS flange for flushing cistern with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. etc. completed (Size: 590 mm x 445 mm x 260 mm Jaguar continental series or equivalent ) ( WHC-WHT-184A Wall Hung Cistern with Installation Kit or equivalent ) -184A Wall Hung Cistern with Installation Kit ) or equivalent. As per approval of client and engineer in charge.	Nos	-	-	-
217				-	-	-
218	J12	Providing & fixing of Providing and fixing white vitreous china urinal with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including urinal push cock and CP pipe for connection to push cock and including painting of fittings and cutting and making good the walls and floors wherever required. etc. completed & approved make & approved by the architect / client. ( Jaguar continental series URS-WHT-13257 Size: 330 x 345 x 610 ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
219				-	-	-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
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**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
220	J13	Providing and fixing granite stone slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth. Granite stone of approved shade.	Nos	-	-	-
221				-	-	-
222	J14	Providing & Fixing 2 way CP bibcock with Aerators and wall flange. Coated with High plating thickness (Nickel: 10 microns and Chrome: 0.3 microns) completed. Including 6" extension CP pipe as required. ( Jaguar Florantine series FLR 5041 N ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
223				-	-	-
224	J15	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing.		-	-	-
225	J15.a	Rectangular shape 1500 x 450 mm	Nos	-	-	-
226	J15.b	Rectangular shape 1500 x 2000mm	Nos.	-	-	-
227				-	-	-
228	J16	Providing & Fixing health faucet with 1 Meter Long Easy Flex Tube in Chrome Finish & Wall Hook. ( Jaguar ALD-CHR-585 ) or equivalent. As per approval of client and engineer in charge	Nos	-	-	-
229				-	-	-
230	J17	Providing & Fixing CP pillar cock long body for wash basin with Aerators. Coated with High plating thickness (Nickel: 10 microns and Chrome: 0.3 microns) completed including connecting pipe and all fixtures and fitting as required etc. completed. ( Jaguar Florentine series FLR-5015 ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
231				-	-	-
232	J18	Providing & fixing of liquid Soap Dispenser with with metallic bottle including drilling hole in walls and screwing and making good the walls. etc. completed ( Jaguar ACN-1137N ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
233				-	-	-
234	J19	Providing and fixing of Tissue dispenser fixed on wooden cleats with CP brass screws & washers including drilling hole in walls with drill gun and making good the walls. ONE PAK FROM KIMBERLY CLARKE or equivalent As per approval of client and engineer in charge	Nos	-	-	-
235				-	-	-
236	J20	Providing & Fixing Stainless steel Single Towel Rail 600mm Long. including drilling hole in walls and screwing and making good the walls. etc. completed ( Jaguar ACN-1111NM ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
237				-	-	-
238	J21	Providing & Fixing Sink Cock with Extended Swinging Spout (Wall Mounted Model) With Wall Flange etc. completed ( Jaguar FLR-5347ND ) or equivalent As per approval of client and engineer in charge	Nos	-	-	-
239				-	-	-
240	J22	GEYSER: Providign and Installation, Testing, Commissioning of storage water heater (Geyser) Racold or equivalent As per approval of client and engineer incharge	Nos	-	-	-
241		for toilets with 15 lit capacity including the following		-	-	-
242	J22.a	a) C.P. Connectors		-	-	-
243	J22.b	b) Angular stop cock with wall flange		-	-	-
244	J22.c	c) All accessories required to complete the installation		-	-	-
245				-	-	-
246	K	PLINTH PROTECTION		-	-	-
247	K1	Providing and laying dry rubble stone packing of 75 mm thick with 40/60 mm & compacted with 75 mm thk hand set in regular lines, interstices being filled in with small pieces of stones & with appropriate filling material, thoroughly rammed, Compacted and watered complete as directed and specified. Actual laid area shall be considered for payment with all deductions.	Sqmt	-	-	-
248				-	-	-
249	K2	Providing and laying PCC (1:4:8) 100mm thick in Plinth protection including consolidation and	Sqmt	-	-	-
250				-	-	-
251	K3	Providing and laying PCC (1:4:8) 100mm thick in Plinth protection including consolidation and	Sqmt	-	-	-
252				-	-	-
253	K4	Disposing excess soil available at site left after excavation of Road outside premises of plot boundry upto 5 km lead.	Cum	-	-	-
254				-	-	-
255	L	ROAD		-	-	-
256	L1	GSB Specification: (150 mm to consider). Construction of granular sub base by providing close graded material conforming to specifications , mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site for all leads & lifts spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory powe roller to achieve the desired desity, complete as per specifications and directions of Engineer in charge. (Modified)		-	-	-
257	a Modified)	With material conforming to Grade-I ( Size range 75 mm to 0.075mm ) having CBR value -30 (Modified)	Cum	-	-	-
258	b)	With material conforming to Grade-II (size range 53 mm to 0.075 mm ) having CBR Value-25	Cum	-	-	-
259	c)	With material conforming to Grade-III (size range 26.5 mm to 0.075 mm) having CBR Value-20	Cum	-	-	-
260				-	-	-





BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd						
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ANNEXURE 1						
Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
261	L2	WMM -Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification, spreading, mixing, for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub Base/ base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-charge.	Cum	2,528.52	3000	75,85,552.85
262				-		-
263	L3	Providing Precast concrete kerbs in cc M25 of size 750mm X 400 x150mm, with chamfered edges on top, and laying to correct line and level including required excavation and dressing of exposed surface to correct profile, grouting the kerbs with PCC 1:2:4, required formwork, steel, curing, etc. and also provision of PVC spouts 50 mm dia complete as specified and as directed.(Payment will made for the length of the kerb stone actually fixed. Gap inbetween will not be considered for payment))	Rmt	200.00	600	1,20,000.00
264				-		-
265	L4	Road marking paint also needs to be considered. Description: Providing and applying 2.5 mm thick 100 mm wide road marking strips (retro reflective) of specified shade/ color using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	Rmt	-		-
266				-		-
267	L5	Providing and laying factory made cement concrete interlocking 100mm thick paver block of M-50 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including compacted bed of coarse sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge. 60 mm thick	Sqm	-		-
268				-		-
269	L6	Providing and constructing 350 mm UCR wall in 1:6 cement mortar including mixing non shrink additive like conbox 100 / Intraplast N200, (full size brick) using sand screened through 4.75mm sieve including casting 100mm thick M20 Grade RCC band with 3 tor 8 mm dia. main bars and 8 dia rings at 150 c/c at a vertical interval of 1m, ensuring that no joint thickness is more than 12 mm thick, finished including curing, double scaffolding, raking out joints from outside and plain joints inside, pre-wetting of bricks, keying in existing brickwork, applying hack-aid-plast of Sunanda Speciality Coating Pvt Ltd. at the junction of RCC and brick masonry, rate should be inclusive of filling gaps between roofing sheet and Civil members etc. complete.	Cum	-		-
270				-		-
271	L7	Providing and laying hand set stone pitching – Minimum pitching depth should be 230mm. Stones shall not be less than 230 mm x 230 mm on the surface. Stones to be roughly dressed on sides and surface. Profiles shall be put up by means of pegs and strings or by placing stones, at intervals of not more than 15 cm. Stones shall then be laid closely in position in between the profile and firmly embedded with joints staggered and with exposed faces true to line, gradient and in uniform slope throughout. The joint are to be filled with cement mortar (1:4) to a depth of at least 25 mm with cement pointing (1:2) on the exposed surface. Rate to be inclusive of providing 100 mm Ø PVC pipe weep holes at C/C distance of 1500 mm on both sides.	Sqm	-		-
272				-		-
273	L8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size)	Sqmt	-		-
274				-		-
275	L9	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints ( 10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge including joint fillers, sealants, dowel bars with sleeve/ tie bars. Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer.	Cum	-		-
276				-		-
277	L10	SAMI- Providing, laying and spreading of Stress absorbing membrane interlayer SAMI (As per table 500-43, Clause 517 of Specifications for Road & Bridge work (Orange Book) with CRMB60 (quantity of binder 10-12 Kg/ per 10 Sqm), Sr.No.6 (All types of crack with crack width below 6mm) with 11.2mm chips (0.1 cum for 10 sqm of surface).	Sqm	-		-
278				-		-
279	L11	PMC-2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen at the rate of 0.75 Kg/ Sqm, including consolidation with road roller etc. complete. With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt	Sqm	-		-
280				-		-





BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd  
ARCHITA ENGINEERING PROJECTS PVT. LTD.

ANNEXURE 1

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
281	L12	Seal Coat- Providing and laying seal coat of premixed fine aggregate ( passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete	Sqm	-	-	-
282				-	-	-
283	M	Landscaping		-	-	-
284				-	-	-
285	M1	Surface dressing of ground including removing vegetation in equalities not exceeding 15 cm deep and disposal of rubbish lead upto 50 m and lift upto 1.5 m.	Sqm	-	-	-
286				-	-	-
287	M2	Excavation for foundation in soft strata which does not required blasting up to 1.5 Mtr. depth including removing the excavated material upto a distance of 50 Mtrs.beyond the compound area and lift. As directed by engineer incharge	Cum	-	-	-
288				-	-	-
289	M3	Filling fresh garden soil/ silt & manure in excavated area including proper levelling & finishing as per site . As directed by engineer incharge	Cum	-	-	-
290				-	-	-
291	M4	<u>GARDEN SOIL:-</u> Supplying on site garden soil well sieved 90% to pass through I.S. sieve of 10mm size free from stones rubbish like dried grass roots and other such materials.The soil should be fresh from quarry.The colour of the soil generally be red. The soil will be measured box. (Farma) (Item includes royalty charges, Transporting, loading-unloading etc.)	Cum	-	-	-
292				-	-	-
293	M5	<u>FARM YARD MANURE :-</u> Supplying on site well decayed, well dried,well powdered, without clods and free from stones, dried grass and other rubbish material. The colour of the manure generally be black. The manure will be measured by measuring box. (Farma) (Item includes Transporting, loading unloading etc.)	Cum	-	-	-
294				-	-	-
295	M6	<u>Preparing Lawn ( 30cms Depth )</u> Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil / silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughlywell, levelling, watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clipping, rolling, etc. complete.	Sqm	2,000.00	130	2,60,000.00
296				-	-	-
297	M7	<u>Preparing Lawn ( 20 cms Depth )</u> Excavating the ground to a required depth of 20cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil / silt & manure in excavated area in 3:1 proportion to a height of 20cms. Mixing garden soil and manure thoroughlywell, levelling, watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clipping, rolling, etc. complete.	Sqm	2,000.00	125	2,50,000.00
298				-	-	-
299	M8	<u>Preparing Instant Lawn :-</u> Excavating the ground to a required depth of 20cms,removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil and manure in 3:1 proportion to a height of 20 cms. Mixing soil and manure thoroughly well, levelling,with required slope, light watering, on previous night, rolling, on surface,Fixing readymade lawn turf, rolls, or slabs of required variety as directed. Ramming on it for proper fixing & maintaining till well established by watering ,weeding,clipping or mowing etc complete.	Sqm	-	-	-
300				-	-	-
301	M9	<u>Preparing Shrubbery :-</u> Excavating the ground to required depth of 30cms, removing and Conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil & manure thoroughly well, levelling, watering on previous night. Planting well rooted shrubs 0.50 Mtr.height, 0.45 apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete.	Sqm	-	-	-
302				-	-	-
303	M10	<u>Preparing Canna bed :-</u> Excavating the ground to the required depth of 30cms. Removing rubbish and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil and manure in excavated area in 2:1 proportion to a height of of 30cms. Mixing garden soil & manure thoroughlywell, levelling, watering on previous night. Planting well developed Canna rhizomes 40cms apart. Maintaining till well established by watering weeding, stirring, replacing casualties etc complete.	Sqm	-	-	-
304				-	-	-
305	M11	<u>Planting small and medium size ornamental/ Flowering plant:-</u> Digging pit with size 0.6m x 0.6mx 0.6m, removing conveying unwanted stuff to a required distance as directed. Filling the pit with fresh garden soil & farm yard manure upto a height of 0.60m. In 3:1 proportion. Mixing soil and manure thoroughly well, levelling , watering on previous night. Planting one to two year old healthy plant saplings as per specification. Maintaining till well established by watering, stirring, of soil and manure, replacing casualties, etc. complete.	Nos	50.00	155	7,750.00
306				-	-	-
307	M12	Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer	Cum	-	-	-
308				-	-	-
309	M13	Supply and plantation of specified types of healthy, trees, including digging pits at required depth including adding and mixing 5-10 Kg manure and 100 g bonemeal (per pit) with excavated soil		-	-	-
310	M13.a	Rhapis excelsa (Finger Palm) - Min 2'ht tall, healthy, multi-branched, Bushy, Specimens	Nos	-	-	-
311				-	-	-
312	M13.b	FOXTAIL PALM / WODYETIA BIFURCATA	Nos	-	-	-
313				-	-	-
314	M13.c	Agave	Nos	-	-	-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
315				-		-
316	M13.d	Bougainvillea	Nos	-		-
319	N	MISCELENEOUS WORK		-		-
320				-		-
321	N1	Cutting hole upto 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) including finishing complete so as to make it leak proof. (Optional)	Nos	-		-
322				-		-
323	N2	Up-rooting and re-planting tree including removing of left over roots completely as directed by Engineer-in-charge	Nos.	-		-
324				-		-
325	N3	Providing and constructing brick masonry inspection chambers including 1:4:8 cement concrete foundation and brick masonry plastering from inside and outside in CM 1: 3 using OPC including connecting the same to the rain water line and providing C.I Manhole cover 600X600 size 116 Kg in etc. complete.		-		-
326	i	Size 1.5 x 1.5 m x 1.2 m [Approx]	Nos	-		-
327	ii	Size 2.5 m x 1.2 m x 1.5 m [Approx]	Nos.	-		-
328				-		-
329	N4	Providing & fixing at desired location Sign boards of size 4' x 8' (1200 mmx 2400 mm) mounted on MS framed assembly. Cost to be inclusive of flex board as per instruction of client & MS 1" square pipe framing.	Sqm	-		-
330				-		-
331	N5	Providing & fixing at desire location 4.5 kg capacity ABC Type Fire Extinguisher of ISI mark & approved brand.	Nos	-		-
332				-		-
333	N6	Providing & fixing MS fire buckets as per instruction of site incharge. Rate to be inclusive of supporting arrangement & painting.	Nos	-		-
334				-		-
335	N7	Providing & fixing CO2 Type Fire Extinguisher 4.5 kg capacity as per instruction of site incharge. One in admin block and one in Weighbridge cabin	Nos	-		-
336				-		-
337	N8	Providing and making of pocket holes of required size template etc. complete for silo unit. Cross section area 300X150X450mm	Nos	-		-
338				-		-
339	N9	Supplying, providing and applying bitumen joint sealing compound of approved make, 8025 grade approved by Engg/ Client.	Sqm	-		-
340				-		-
341	N10	Providing and Laying grouting with Conbextra GP-II (Fosroc Make or equivalent) or high strength nonshrink etc. all as per manufacturers specification and approved by Engg/ Client.	Cum	-		-
342				-		-
343	N11	Providing and Laying grouting with ACC shrinkcomp compound or Conbextra GP-II (Fosroc Make or equivalent) or high strength nonshrink grout etc. all as per manufacturers specification and approved by Engg/Client. Shrinkage Grouting of 25 x 25mm size (GP2 grouting)	Kg	-		-
344				-		-
345	N12	Providing & filling with 100 mm thick & 300 mm wide smooth cement mortar fillet in CM 1:4 including mixing of non shrink additive like conbex 100 / Intraplant N200 to the silo wall & G.I sheeting of silo.	Sqm	-		-
346				-		-
347	N13	Providing and Laying StyroForm 30mm thk at junction of silo ring wall & grade slab connection.	Sqm	-		-
348				-		-
349	N14	Supplying, fabricating & fixing in position anchor bolts upto 900 mm deep, foundation bolts including nuts, lock nuts, washers, etc. welding, if required, in concrete with necessary templates, sleeves etc. as per drawings all complete.		-		-
350	N14.a	25 dia.	Nos	-		-
351	N14.b	20 dia.	Nos	-		-
352	N14.c	16 dia.	Nos.	-		-
353				-		-
354	N15	Providing and constructing brick masonry inspection chambers including 1:4:8 cement concrete foundation and brick masonry plastering from inside and outside in CM 1: 3 using OPC including connecting the same to the sewerage line and inspection chamber size 600X600X1200 mm and C.I Cover with fram 600X600 @ 150 Kg etc. complete.	Nos	-		-
355				-		-
356	N16	Providing and fixing in position vent pipe of size 15 NB Class B as per IS 1239 ERW, with Plain end conforming to B 36.10. With brass mosquito proof grating. Including grouting the sides and making water tight Complete as directed by engineer In charge.	Nos	-		-
357				-		-
358	N17	Providing and fixing 150 mm dia unplasticised PVC rain water pipes of 6 kg/cm <sup>2</sup> conforming to IS: 13592 type A including jointing with seal rings conforming to IS: 5382 and other fittings like bends, tees, elbows, single Y, double Y, connector, vent cowls, including fixing M.S. clamps, with necessary scaffolding etc. Rate to be inclusive of providing and fixing to the inlet mouth of rain water pipe PTMT (Engineering thermoplastic) grating square (slit) 150 mm square with a height of 8mm and weight not less than 100 gms.		-		-
359	a)	Pipe 150mm Dia.	Rmt	20.00	120	2,400.00
360	b)	Pipe 200mm Dia.	Rmt	20.00	150	3,000.00
361	c)	Air Vent pipe 500mm in Length	Each	-		-
362	d)	Cowl Cap for Vent Pipe	Each	-		-
363				-		-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
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**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
364	N18	Providing and Fixing CI Manhole cover rectangular in shape & 750mm X 750mm in size with frame conforming to IS : 1726-1974 (Part I - VII) with locking arrangement complete.	Each	-	-	-
365				-	-	-
366	N19	Providing and fixing in position C.I Rungs of require size for UG Sumps and including placing 150mm inside concrete & 500 mm wide & 16 dia @ 400 c/c (while doing form work), aligning during concreting, grouting the junction if required, cleaning etc. C.I Manhole cover 750X750 mm @ 175 Kg.	Each	-	-	-
367				-	-	-
368	N20	Providing and laying in position machine batched, machine mixed and machine vibrated desi	Cum	-	-	-
369				-	-	-
370	N21	Providing and erecting 2.9 metre in high Barbed wire fencing with Eight rows of barbed wire supported on mild steel angles (65 x 65 x 6 mm) at 3 metres centre to centre & inclined supports at corners and every 15th post. Including bed preparation & fixing posts in cement concrete blocks of 600 mm deep. fastening the wire and painting the mild steel angles with one coat of red lead primer and two coats of painting etc. complete. Excluding Structural, Reinforcement, PCC and RCC)	Rmt	-	-	-
371				-	-	-
372	N22	Providing, Supplying, Erecting & Fixing 1800 mm high precast RC Folding compound wall of 2100mm X 300mm in plank size & 50mm thickness. having 4- no's bar of 3mm HTS steel with M-25 grade of concrete. Consists of RCC Precast Concrete Post of size 150mm x 150mm x 2400mm height with 7 bars of 3 mm HTS steel with M-25 grade of concrete , having two grooves so as to receive 6 Nos of precast panel. Height of the pillar shall (600mm below ground and 1800 above GL). including necessary finishing as instructed by engineer incharge.	Rmt	-	-	-
373				-	-	-
374	N23	Providing and fixing concertina coil fencing above precast compound wall with punched tape concertina coil 600 mm dia having 50 nos rounds per 6 meter length, placed on IS Angle minimum 50x50x6 mm iron 'Y' shaped placed 2100mm apart and with 3 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ meter (cost of M.S. angle & its painting with 1 coat primer and 2 coat oil paint to the angle to be included)	Rmt	-	-	-
375				-	-	-
376	N24	Supplying and installation of PVC tank of 5000 litre capacity including all fittings connections etc. complete as directed by engineer incharge.	No	-	-	-
377				-	-	-
378	N25	Supplying and installation of PVC tank of 1000 litre capacity including all fittings connections etc. complete as directed by engineer incharge.	No	-	-	-
379				-	-	-
380	N26	<b>PVC WATER BAR:-</b> Providing and Placing in position suitable PVC water stops approved by site in-charge, conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete: Serrated with central bulb (225 mm wide, 8-11 mm thick). The product performance and installer shall carry guaranteed for 10 years against any leakage. as directed by Engineer In charge	Rmt	-	-	-
381				-	-	-
382	N27	<b>SWELLABLE TYPE WATER BARS:</b> Providing and applying of swellable type water stop tape, conforming to IS : 12200 for 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure, such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc. as per drawing as per detailed manufacturers specification and instructions. Including cleaning the surface, application of one coat of required primer for swellable water stop tape. Consumption of primer as per manufacturers specification. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per manufacturers specification and the direction of the Site in-charge. The product performance shall carry guaranteed for 10 years against any leakage. as directed by Engineer In charge.	Rmt	-	-	-
383	N27a	Expansion Joint - Providing and fixing of 4mm thk. x 225mm wide Aluminium sheet with groove at centre and insulated with good coat of bitumen for expansion joints including cost of filling gap with non-absorbant, semi rigid, cellular joint filler and sealing with selant having plastic consistency	Rmt	-	-	-
384				-	-	-
385	N28	Providing and lowering , laying including supply of materials and labor for RCC NP3 class spun (HUME) pipe of standard make including jointing with collars with hemp yarn, hot bitumen, sand, cement motor (1:1) etc. complete including giving satisfactory test and works to be executed as per IS complete as per the direction of project engineer including excavation in all types of soil / hard rock, Includign bed PCC 75 mm thick , laying of pipes as per slope or in level as per engineer-in-charge and refilling of trenches in 150 mm layers with proper compaction and dewatering if required etc.		-	-	-
386	a	150 mm	Rmt	-	-	-
387	b	300 mm	Rmt	50.00	1300	65,000.00
388	c	450 mm	Rmt	-	-	-
389	d	600mm	Rmt	100.00	2700	2,70,000.00
390	e	900mm	Rmt	-	-	-
391	f	1200mm	Rmt	-	-	-
392	g	1500mm	Rmt	-	-	-
393				-	-	-
394	N29	Drilling of 150 mm dia. Bore upto any depth	Rmt	-	-	-
395				-	-	-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
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**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
396	N30	Submersible Pump set suitable for 150 mm borehole with 1.5 H.P. single/ three phase electric motor Discharge: 90 lpm at 22 m head to 45 lpm at 52 m head Pump body: Cast Iron, Impeller: Noryl, Shaft SS410 Pump delivery diameter 32 mm.	Nos	-	-	-
397				-	-	-
398	N31	Core cutting in the existing Rcc structure and making the hole to the Required Diameter by the suitable method endangering the structural stability in the required position at required level as specified and as directed including all material , labour hire charges for tools /tackles etc complete. ( Upto a depth of 250 mm )		-	-	-
399		75mm	Nos	-	-	-
400		100mm	Nos	-	-	-
401		150mm	Nos	-	-	-
402		250mm	Nos	-	-	-
403				-	-	-
404	N32	Cutting holes in burnt brick masonry walls to receive ends of girders of any size including scaffolding etc. complete. Spec : (As directed by Engineer in Charge)	Nos	-	-	-
405				-	-	-
406	N33	Supplying and fixing CP coat hooks, all complete.	Nos.	-	-	-
407				-	-	-
408	N34	Supplying, fixing and fitting adjustable O/H shower, of 'Jaguar' make or approved equivalent with concealed stopcock of 'Jaguar' make, or approved equivalent all complete.	Nos	-	-	-
409				-	-	-
410	N35	Supplying, fixing and fitting hand shower, of 'Jaquar' make, or approved equivalent with concealed stopcock of 'Jaquar' make, or approved equivalent all complete.	Nos	-	-	-
411				-	-	-
412	N36	Marking on ceiling, making cut-outs of size 600 x 600 approx. for lighting, HVAC, pendants, other utility services etc., cutting and mounting separate framework for resp. fixtures, fixing to the underside of the suspension grid with screws to give smooth seamless ceiling including finishing with Gypsum paper, and finishes with plaster of Paris so as to have crack free joint, scaffolding etc. all complete as specified and as directed and framework etc as per manufacturer specification. (Only opening of size more than 0.25sqm shall be deducted for the purpose of measurement and payment.)Including coordination with Electrical/ HVAC/ Piping/ Mechanical agency.	Nos	-	-	-
413				-	-	-
414	N37	Providing neeru finish to plastered surfaces in all positions including scaffolding and curing complete.	Sqm	-	-	-
415				-	-	-
416	N38	Providing soak pit of size 120cm x 120cm x 120cm including excavating and filling with brickbats.	Sqm	-	-	-
417				-	-	-
418	N39	Providing and Applying Plaster of Paris of 2 mm thickness over plaster surface to prepare the surface even and smooth to plaster surfaces in all position including scaffolding, etc. complete as directed.	Sqm	-	-	-
419				-	-	-
420	N40	Only fixing in position up to 32 mm anchor bolts [varied sizes], up to 800 mm deep for foundation bolts including nuts, lock nuts, washers etc. welding, if required, in concrete with necessary templates, sleeves etc. as per drawings all complete. [Bolt will be provided by client]	Nos	160.00	200	32,000.00
421				-	-	-
422	O	<b>Rebaring</b>		-	-	-
423	O1	Drilling holes and inserting bars dipped in Epoxy as per drawing specifications and per instruction of site engineer.		-	-	-
424	i)	32 mm dia	Nos	-	-	-
425	ii)	25 mm dia	Nos	-	-	-
426	iii)	20 mm dia	Nos	-	-	-
427	iv)	16 mm dia	Nos	-	-	-
428	v)	12 mm dia	Nos	-	-	-
429	vi)	10 mm dia	Nos	-	-	-
430	vii)	8 mm dia	Nos	-	-	-
431				-	-	-
432	O2	Drilling holes and inserting bars using Hilti chemical RE 500 as per vendor specification and as per drawing specifications and per instruction of site engineer.		-	-	-
433	i)	32 mm dia	Nos	-	-	-
434	ii)	25 mm dia	Nos	-	-	-
435	iii)	20 mm dia	Nos	-	-	-
436	iv)	16 mm dia	Nos	-	-	-
437	v)	12 mm dia	Nos	-	-	-
438	vi)	10 mm dia	Nos	-	-	-
439	vii)	8 mm dia	Nos	-	-	-
440				-	-	-
441	O3	Providing and wet drilling accurate and clean holes of 25 mm - 400 mm range without vibration through hilti diamond drilling machine DD200 including carting the debris and making clean area etc. complete as per drawing and as per direction of site in-charge		-	-	-
442	i)	50 mm dia	Per inch	-	-	-
443	ii)	75 mm dia	Per inch	-	-	-
444	iii)	100 mm dia	Per inch	-	-	-
445	iv)	125 mm dia	Per inch	-	-	-
446	v)	150 mm dia	Per inch	-	-	-
447	vi)	200 mm dia	Per inch	-	-	-
448				-	-	-
449	P	<b>Internal Electrical Works</b>		-	-	-
450		<b>CABLE TRAYS</b>		-	-	-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
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**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
451	CPDW-4.6	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.		-		-
452	CPDW-4.6.1	150 mm width X 50 mm depth X 1.6 mm thickness	Per. Mtr.	-		-
453	CPDW-4.7	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.		-		-
454	CPDW-4.7.2	150 mm width X 50 mm depth X 1.6 mm thickness	Each	-		-
455	CPDW-4.8	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.		-		-
456	CPDW-4.8.2	150 mm width X 50 mm depth X 1.6 mm thickness	Each	-		-
457				-		-
458		<b>LED Light Fixtures and Accessories</b>		-		-
459		Supply Installation Testing and Commissioning of following LED light fixtures which shall be Equivalent to Conventional Type of Light fixtures as mentioned. Contractor shall evaluate existing fixtures and submit Equivalent LED light fixtures from three vendors. Vendor shall be from list approved make only.		-		-
460		Warranty of LED fixtures shall not be less than 60months from date of supply.		-		-
461	2-5-3	Supplying and erecting LED square / circular 5 to 8W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	Each	-		-
462	2-5-4	Supplying and erecting LED square / circular 9 to 12W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	Each	-		-
463	2-5-6	Supplying and erecting LED square / circular 16 to 20W downlighter having pressure diecast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	Each	-		-
464	2-5-12	Supplying and erecting square shaped CRCA /die-cast aluminium powder coated housing LED Panel light (slim edge-lit) 600X600mm suitable for 36 W-40W with provision for plane front frame with translucent cover fixed to the housing complete.	Each	-		-
465	2-5-22	Supplying & erecting T8 LED 1X18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete (including lamp).	Each	-		-
466	FMR	Supplying & erecting T8 LED 2X18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete (including lamp).	Each	-		-
467	2-13-3	Supplying and erecting Regular/Standard model Ceiling Fan of 1200 mm sweep complete erected in position as per specification no. FG-FN/CF	Each	-		-
468	2-12-4	Supplying and erecting Fan hook of 10 mm.M.S.round bar grouted in RCC slab with making the site as original.	Each	-		-
469	2-12-6	Supplying & erecting 'B' grade G.I pipe/M.S pipe down rod duly painted for fan complete erect	m	-		-
470	2-13-16	Supplying & erecting Exhaust fan medium duty 230 A.C. 50 cycles 225 mm. 1400RPM with	Each	-		-
471	2-12-10	Supplying & erecting electronic type step regulator for ceiling fan 600 /900/ 1200/ 1400 mm.	Each	-		-
472				-		-
473		<b>POINT WIRING AND SWITCH SOCKET</b>		-		-
474	CPWD 1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.		-		-
475	CPWD 1.3.1	Group A	Point	-		-
476	CPWD 1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required W		-		-
477	CPWD 1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	m	-		-
478	CPWD 1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	m	-		-
479	CPWD 1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	m	-		-
480	CPWD 1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.		-		-
481	CPWD 1.10.1	Group A	Point	-		-
482	CPWD 1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.		-		-
483	CPWD 1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	m	-		-
484	CPWD 1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	m	-		-
485	CPWD 1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	m	-		-
486		<b>SWITCH SOCKET</b>		-		-
487	CPWD 1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	-		-
488	CPWD 1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	-		-
489	CPWD 1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	-		-
490				-		-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
**ARCHITA ENGINEERING PROJECTS PVT. LTD.**

**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
491	CPWD 1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.		-		-
492	1.20.1	20 mm	meter	-		-
493	1.20.2	25 mm	meter	-		-
494				-		-
495	CPWD 1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-		-
496	1.21.1	20 mm	meter	-		-
497	1.21.2	25 mm	meter	-		-
498				-		-
499		<b>DISTRIBUTION BOARD</b>		-		-
500	CPWD 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		-		-
501	CPWD 2.3.1	6 way, Double door	Each	-		-
502	CPWD 2.3.2	8 way, Double door	Each	-		-
503	CPWD 2.3.3	12 way, Double door	Each	-		-
504	CPWD 2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator)		-		-
505	CPWD 2.4.2	6 way (4 + 18), Double door	Each	-		-
506	CPWD 2.4.3	8 way (4 + 24), Double door	Each	-		-
507	CPWD 2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)		-		-
508	CPWD 2.5.1	4 way (4 + 12), Double door	Each	-		-
509	CPWD 2.5.2	8 way (4 + 24), Double door	Each	-		-
510	CPWD 2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.		-		-
511	CPWD 2.10.1	Single pole	Each	-		-
512	CPWD 2.10.3	Double pole	Each	-		-
513	CPWD 2.10.4	Triple pole	Each	-		-
514	CPWD 2.10.5	Triple pole and neutral	Each	-		-
515	CPWD 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	-		-
516	CPWD 2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.		-		-
517	CPWD 2.14.1	25A	Each	-		-
518	CPWD 2.14.2	40A	Each	-		-
519	CPWD 2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.		-		-
520	CPWD 2.15.2	40A	Each	-		-
521	CPWD 2.15.3	63A	Each	-		-
522	CPWD 2.18	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A, "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	-		-
523				-		-
524		<b>DATA AND VOICE</b>		-		-
525	1-11-33	Supplying, installing, testing & commissioning approved type digital key telephone / IP tele	Each	-		-
526	1-11-32	Supplying, installing, testing & commissioning approved type Push button telephone instrume	Each	-		-
527	1-10-2	Supplying & erecting telephone cable 2 pair with 0.5 mm dia. laid in provided PVC casing / c	Per. Mtr.	-		-
528	1-10-5	Supplying & erecting telephone cable 5 pair with 0.5 mm dia. laid in provided PVC casing / c	Per. Mtr.	-		-
529	1-11-1	Supplying, erecting & commissioning Main Distribution Frame (MDF) Box 50x50 pairs as per	Each	-		-
530	1-11-12	Supplying, erecting & commissioning junction box suitable for 10 pairs as per specifications r	Each	-		-
531	1-11-13	Supplying, erecting & commissioning Junction box suitable for 20 pairs as per specification N	Each	-		-
532	1-8-15	Supplying and erecting modular type telephone socket one gang with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.	Each	-		-
533	1-8-16	Supplying and erecting modular type computer Jack RJ 45 with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.	Each	-		-
534	1-12-1	Supplying & installing UTP networking Cat-6 cable suitable for LAN / WAN Computer networking as per specification No. WG-COC/NC	m	-		-
535	1-12-7	Supplying and fixing 3 meter length, UTP Patch cord of Cat 6 type in position as per specification No. WG-COC/PC	Each	-		-





**BALANCE CIVIL WORKS AT BASTI (Option 3) for NCML Basti Pvt Ltd**  
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**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
536				-		-
537	A	Earthwork		-		-
538				-		-
539	A13	Stabilizing natural better soil (obtained from bottom of excavated pit of silo foundations) by adding 10% moderately graded sand and uniform mixing in controlled condition. Refilling layer wise inside ring walls (1.00m depth from top) in layers of 150 to 200 mm depth and dry density of each layer minimum 95% of MDD. Compacting each deposited layer by rolling, watering, testing etc complete as directed [Compacted volume of stabilized soil will be considered for payment]. Remaining filling area inside silo to be done with good quality sandy soil with min. 65% sand content or good quality murrum brought from outside. Quantity of filling will be measured only	Cum	-		-
540				-		-
541	L	ROAD		-		-
542	L13	Removing/excavation of top natural soil of @ 0.30 m height. Disposing poor quality soil out of plot premises. Stabilizing natural better soil by adding 25% uniformly graded gravels and uniform mixing in controlled condition. Refilling layer wise into the excavated areas and density of each layer minimum 95%. Compacting each deposited layer by rolling, watering, testing etc complete as directed [Compacted volume of stabilized soil will be considered for payment]. Remaining filling if any to be done with good quality murrum/local good quality earth brought from outside/stabilized natural earth, which should be claimed and paid separately	Cum	-		-
543				-		-
544	L14	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Vibratory roller. to the required density. By Mechanical Means - Grading I (Using Screening Type A (13.2) mm Aggregate)	Cum	-		-
545				-		-
546	L15	BITUMINOUS MACADAM: Providing and laying bituminous macadam using crushed aggregates of Grading 1, premixed with bituminous binder, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 80/100 mm compacted thickness with 3.3 % using specified grade of Bitumen. -- USING Batch mix type hot mix plant with SCADA, Sensor Paver, vibratory roller.(VG-30 bulk bitumen rates are considered to arrive at rates)	Cum	-		-
547				-		-
548	L16	BITUMINOUS CONCRETE:- Providing and laying bituminous concrete using crushed aggregates of grading 1, premixed with bituminous binder @ 5.20 per cent by weight of total mix and filler, transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 50 mm compacted thickness with specified grade of Bitumen, Excluding prime / tack coat. For Bitumen of specified grade -- USING Batch mix type hot mix plant with SCADA, Sensor Paver, Vibratory roller with Stone Dust filler. (VG-30 bulk bitumen rates are considered to arrive at rates)	Cum	-		-
549	L17	Providing & Filling under floor, foundation, beam, road etc. with Good quality Earth, brought by Contractor in layers of 150 to 200 mm including dressing, levelling, compaction of base soil, watering compaction for all lift and leads and necessary royalty charges etc. complete. Compaction minimum 95%, CBR not <10	Cum	800.00	490	3,92,000.00
550	L18	Sub-grade: Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating natural top earth to an average of 100 mm depth, dressing to camber and consolidating with road roller including making good the undulations etc. Adding 25% graded gavel, controlled mixing, refilling and re-rolling the sub grade in two layers. Disposal of surplus earth within lead up to 50 mtrs or as instructed by site in-charge. [Item to be executed only after instruction from Site In-charge/Client]	Cum	1,415.00	700	9,90,500.00
551	L19	GSB: Supplying, laying and Construction of Granular Sub-Base [GSB] by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value @ 25	Cum	2,830.00	2450	69,33,500.00
552	L20	WBM Grade 2 [particles of size 63 to 40 mm]: Supplying, laying, spreading and compacting stone aggregate of specified sizes [particles of size 63 to 40 mm. For WBM thickness more than 75 mm] to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	Cum	-		-
553	L21	WBM Grade 3 - Particles of size 50 to 20 mm. Supplying, laying, spreading and compacting stone aggregate of specified sizes [particles of size 50 to 20 mm. For WBM thickness 75 mm] to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density. WBM thickness 75 mm.	Cum	-		-
554	L22	Open Graded Premix Carpeting [OGPC]: Providing and laying 20 mm premix carpet surfacing with 1.8 cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 9 tonne capacity etc. complete (tack coat to be paid for separately). With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt	Sqm	-		-





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**ANNEXURE 1**

Sr.No	Item Code	DESCRIPTIONS	UNIT	Quantity	Rate	Amount
555	L23	Tack coat: Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications. On W.B.M. @ 0.75 Kg / sqm.	Sqm	-		-
556	L24	Seal coat: Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with Bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.	Sqm	-		-
557	L25	Laying & fixing of factory made cement concrete interlocking 100mm thick paver block (provided by NCML) over and including compacted bed of coarse sand (40mm thk) , filling the joints with coarse sand, side locking with concrete etc. all complete as per the direction of Engineer-in-charge. (coarse Sand and concrete for locking to be provided by vendor)	Sqm	8,850.00	339	30,00,150.00
558	L26	Laying & fixing of factory made cement concrete interlocking 60mm thick paver block (provided by NCML) over and including compacted bed of coarse sand (40mm thk) , filling the joints with coarse sand, side locking with concrete etc. all complete as per the direction of Engineer-in-charge. (coarse Sand and concrete for locking to be provided by vendor)	Sqm	2,030.09	315	6,39,477.75
563				-		-
564	N	MISCELENEOUS WORK		-		-
565				-		-
566	N41	Providing and laying Granular blanket of 300 mm thick in two layers of 150 mm [compacted thickness] each with 63mm/40mm down aggregate, interstices being filled in with small pieces of stones, coarse sand. both layers be thoroughly rammed with 10T static roller, consolidated and watered complete as directed and specified by Engineer In-charge.	Sqm	-		-
567	N42	Supplying and fixing of 75mm dia. of medium class PVC conduit pipe along with accessories in pole foundation including cutting to required sizes, fixing within the foundation as required etc. all complete	mtr	85.00	130	11,050.00
568	N43	Supplying and laying of 40mm dia DWC HDPE Pipes ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, part - II, complete with all fittings and cutting, jointing etc. (minimum depth should be 600mm from road top)	mtr	300.00	180	54,000.00
						<b>RS. 2,59,61,388.00</b>

