

BOQ Summary Details	
Tender Title: Construction of DVOR and Allied Woks including Internal and External Electrification at Kolhapur Airport. SH - Civil Construction and Internal Electrification Work.	
Tender ID: 2023_AAI_151901_1	

Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	Shri Laxminarayan Construction	18239435.00	L1
	2	DURGA ENTERPRISES	19009576.00	L2
	3	Umiya Construction	20357025.00	L3
	4	M/s P N Nagane	21795948.00	L4

Dated for CRP
 25/5/2023
 [Signature]

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 SMC(E)
 25.05.2023

[Signature]
 25/05/2023

Tender Inviting Authority: <AGM Engg -Civil, AAI Kolhapur Airport>

Name of Work: <Construction of DVOR and Allied Works including Internal and External Electrification at Kolhapur Airport. SN - Civil Construction and Internal Electrification Work.>

Contract No: <0231-2677706> Tender Id: 2023_AAI_151901_1>

SCHEDULE OF WORK / ITEM(S)												
Sl.No	Description of Work / Item(s)	No of Qty	Units	Estimate Rate	Shri Laxminarayana Construction (GSTN-37AQP9564127)		Umiya Construction (GSTN-24AABFUS11F12H)		DURGA ENTERPRISES (GSTN-NA)		M/s P N Nagane (GSTN-NA)	
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	Civil Works											
1.00	CARRIAGE OF MATERIALS By Mechanical Transport including loading, unloading and stacking Earth Upto 1km	800.00	cum		125.00	100000.00	100.00	80000.00	120.00	96000.00	150.00	120000.00
1.00	CARRIAGE OF MATERIALS By Mechanical Transport including loading, unloading and stacking Excavated rock Upto 1km	355.00	cum		150.00	53250.00	170.00	60350.00	200.00	71000.00	200.00	71000.00
1.00	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth for all leads and lifts within AAI premises, as directed by Engineer-in-charge. All kinds of soil	5715.00	cum		150.00	857250.00	160.00	914400.00	145.00	82875.00	175.00	1000125.00
1.00	Earth work in excavation by mechanical means (Hydraulic excavator) manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth for all leads and lifts within AAI premises, as directed by Engineer-in-charge. Ordinary rock	425.00	cum		300.00	127500.00	400.00	170000.00	380.00	161500.00	300.00	127500.00
1.00	Earth work in excavation by mechanical means (Hydraulic excavator) manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth for all leads and lifts within AAI premises, as directed by Engineer-in-charge. Hard rock (blasting prohibited)	2625.00	cum		800.00	2100000.00	630.00	1653750.00	665.00	2270625.00	600.00	1575000.00
1.01	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, for all leads and lifts within AAI premises	185.00	cum		180.00	33300.00	90.00	16650.00	180.00	33300.00	200.00	37000.00
1.01	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	10.00	cum		2000.00	20000.00	2800.00	28000.00	1737.00	17370.00	3000.00	30000.00
1.01	Clearing grass and removal of the rubbish outside the periphery of the area cleared	31500.00	sqm		3.00	94500.00	4.00	126000.00	2.50	78750.00	2.00	63000.00
1.01	Supplying chemical emulsion in sealed containers including delivery as specified Chlorophospho emulsifiable concentrate of 20%	105.00	litre		200.00	21000.00	200.00	21000.00	170.00	17850.00	475.00	48675.00
1.01	Diluting and injecting chemical emulsion for POST-CONSTRUCTION anti-termite treatment (excluding the cost of chemical emulsion) Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete. With Chlorophospho/ Lindane E.C. 20% with 1% concentration	50.00	metre		25.00	1250.00	35.00	1750.00	38.00	1900.00	50.00	2500.00
1.01	Extra for leveling & neatly dressing soil completely as directed by Engineer-in-charge	800.00	cum		50.00	40000.00	60.00	48000.00	45.00	36000.00	100.00	80000.00
1.01	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level - 1:2:4 (1 Cement : 2 coarse sand (zone-II) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	200.00	cum		6150.00	1230000.00	5800.00	1120000.00	5400.00	1080000.00	5200.00	1040000.00
1.01	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level - 1:4:8 (1 Cement : 4 coarse sand (zone-II) derived from natural sources : 8 graded stone aggregate 20 mm nominal size derived from natural sources)	80.00	cum		5200.00	416000.00	4800.00	384000.00	5150.00	412000.00	4300.00	344000.00
1.01	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns. (For all kinds of RCC Works)	155.00	sqm		260.00	40300.00	270.00	41850.00	261.00	40455.00	2000.00	310000.00
1.01	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-II) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources)	15.00	sqm		325.00	4875.00	360.00	5700.00	314.00	4710.00	500.00	7500.00
1.02	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	15.00	sqm		90.00	1350.00	280.00	4200.00	96.00	1440.00	150.00	2250.00
1.02	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete (For RCC)	40.00	sqm		260.00	10400.00	450.00	18000.00	261.00	10440.00	2000.00	80000.00
1.02	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	110.00	sqm		650.00	71500.00	475.00	54250.00	650.00	74750.00	2000.00	230000.00
1.02	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	85.00	sqm		625.00	53125.00	450.00	38250.00	616.00	43660.00	2000.00	170000.00
1.02	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	115.00	sqm		700.00	80500.00	140.00	16100.00	682.00	78430.00	2000.00	230000.00
1.02	Centering and shuttering including strutting, propping etc. and removal of form for all heights Edges of slabs and breaks in floors and walls Under 20 cm wide	45.00	metre		700.00	31500.00	170.00	7850.00	154.00	6930.00	2000.00	90000.00
1.02	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more	4750.00	kg		90.00	380000.00	98.00	465500.00	74.00	351500.00	75.00	356250.00

L1 Amount	L1 Vendor
80000.00	Umiya Construction
53250.00	Shri Laxminarayana Construction
82875.00	DURGA ENTERPRISES
127500.00	Shri Laxminarayana Construction, M/s P N Nagane
1575000.00	M/s P N Nagane
16650.00	Umiya Construction
17370.00	DURGA ENTERPRISES
63000.00	M/s P N Nagane
17850.00	DURGA ENTERPRISES
1250.00	Shri Laxminarayana Construction
36000.00	DURGA ENTERPRISES
1040000.00	M/s P N Nagane
344000.00	M/s P N Nagane
40300.00	Shri Laxminarayana Construction
4710.00	DURGA ENTERPRISES
1350.00	Shri Laxminarayana Construction
10400.00	Shri Laxminarayana Construction
54525.00	Umiya Construction
38250.00	Umiya Construction
16100.00	Umiya Construction
6930.00	DURGA ENTERPRISES
351500.00	DURGA ENTERPRISES

Date for CPE 12
28/05/23
25/5/2023

T. Pandey
SM/EN
25.05.2023

Date
25/05/2023

1.02	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	2000.00	kg
1.02	Add for plaster and course groove in plastered surface or moulding to R.C.C. projections.	45.00	metre
1.02	Providing and laying in position ready mixed or site batched design mix concrete for reinforced cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete. All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg/cum Note: - The Mix Design is available with AAI Kolhapur Airport and the same will be provided to the contractor for the work. Contractor has to prepare a trial mix with the design provided by AAI and get the results verified before execution of work. All the material to be used for execution shall be tested and matched with mix design provided by AAI before execution of work. The extra cement as per design will be payable to the contractor under relevant item.	36.00	cum
1.03	Providing and laying in position ready mixed or site batched design mix concrete for reinforced cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg/cum Note: - The Mix Design is available with AAI Kolhapur Airport and the same will be provided to the contractor for the work. Contractor has to prepare a trial mix with the design provided by AAI and get the results verified before execution of work. All the material to be used for execution shall be tested and matched with mix design provided by AAI before execution of work. The extra cement as per design will be payable to the contractor under relevant item.	25.00	cum
1.03	Add for using extra cement in the terms of design mix over and above the specified cement content therein.	142.00	quintal
1.03	Extra for providing and placing in position 2 Nos 8mm dia. M.S. bars at every third course of half brick masonry.	50.00	sqm
1.03	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre-polished machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement: 4 coarse sand); joints treated with white cement, mixed with matching pigment, epoxy touch up, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab over 0.50 sqm	5.00	sqm
1.03	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black or any sole as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) and pointing with grey cement slurry @ 3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	45.00	sqm
1.03	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.00	sqm
1.03	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete. 20 mm dia	9.00	metre
1.03	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI: IS: 3564, embossed on the body, door weight upto 36 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete	9.00	each
1.03	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1866) transparent or dyed to required colour or shade, with nuts and screws etc. complete. 300x16 mm	16.00	each
1.03	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1866) transparent or dyed to required colour or shade, with necessary screws etc. complete. 150x10 mm	9.00	each
1.04	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1866) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm	18.00	Each

80.00	160000.00	98.00	194000.00	74.00	148000.00	75.00	150000.00
55.00	2475.00	60.00	2700.00	55.00	2475.00	30.00	1350.00
7500.00	270000.00	6700.00	241200.00	6200.00	232000.00	7000.00	252000.00
7500.00	187500.00	7200.00	180000.00	7200.00	190000.00	9000.00	225000.00
650.00	82300.00	850.00	120700.00	583.00	82784.00	900.00	113600.00
75.00	3750.00	100.00	5000.00	73.00	3650.00	200.00	10000.00
3800.00	22800.00	4500.00	27000.00	3500.00	21000.00	600.00	3600.00
900.00	40500.00	900.00	40500.00	870.00	39150.00	900.00	36000.00
2500.00	10000.00	1900.00	7600.00	3389.00	9556.00	3500.00	14000.00
350.00	3160.00	250.00	2250.00	318.00	2862.00	500.00	4500.00
925.00	7425.00	1000.00	9000.00	726.00	6534.00	2600.00	22600.00
200.00	3200.00	230.00	3680.00	221.00	3536.00	900.00	14400.00
70.00	430.00	80.00	720.00	64.00	576.00	80.00	720.00
60.00	1080.00	80.00	1440.00	51.00	918.00	15.00	270.00

148000.00	DURGA ENTERPRIS ES
1350.00	M/s P N Nagane
223200.00	DURGA ENTERPRIS ES
180000.00	DURGA ENTERPRIS ES, Umriya Constructio n
92796.00	DURGA ENTERPRIS ES
3650.00	DURGA ENTERPRIS ES
3600.00	M/s P N Nagane
36000.00	M/s P N Nagane
7600.00	Umriya Constructio n
2250.00	Umriya Constructio n
6534.00	DURGA ENTERPRIS ES
3200.00	Shri Laxminaray an Constructio n
576.00	DURGA ENTERPRIS ES
270.00	M/s P N Nagane

Pulkit for Col. Aul
 25/05/2023

T. Pandey
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 25.05.2023

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 25/05/2023

1.04	Providing and fixing aluminum hanging floor door stopper. (ISI marked, anodized, anodic coating not less than grade AC 10 as per IS 1866) transparent or dyed to required colour and shade, with necessary screws etc. complete. Twin rubber stopper	9.00	Each
1.04	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 x 19 mm and 1 mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge. Extruded section profile size 42x50 mm	6.00	metre
1.04	Providing and fixing to existing door frames. 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanized plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic galvanized M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels fitted vertically and tie bar at two places by inserting horizontally 6 mm galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge	2.00	sqm
1.04	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2045 Type 5, including cost of adhesive of approved quality 1.5 mm thick	41.00	sqm
1.04	Providing and fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lip of 10.55 mm, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C, all complete as per the drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish. Plain Gypsum plaster board conforming to IS: 2095 Part - 1:2011 (Board with BIS certification marks) 12.5 mm thick	35.00	sqm
1.04	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	135.00	Kg
1.04	Providing and fixing mild steel round anchor bolts, 20mm dia and 600mm length, with nuts and washers plate complete	70.00	Kg
1.04	Steel work welded in built up sections, framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works (including use of Chequered plates wherever Required)	500.00	Kg
1.04	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.06% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3:5 (3 cement : 5 sand) including grouting the joints with white cement and matching pigments etc., complete (for floor and skirting). Size of Tile 600x600 mm	60.00	sqm

60.00	540.00	75.00	675.00	53.00	477.00	350.00	3150.00
510.00	3060.00	300.00	1800.00	238.00	1428.00	2000.00	12000.00
4500.00	9000.00	2000.00	4000.00	1702.00	3404.00	5000.00	10000.00
2200.00	80200.00	1150.00	47150.00	755.00	30555.00	2700.00	110700.00
900.00	31500.00	1000.00	35000.00	925.00	32375.00	800.00	28000.00
150.00	20250.00	125.00	15875.00	131.00	17685.00	150.00	20250.00
80.00	5600.00	100.00	7000.00	212.00	14640.00	150.00	10500.00
120.00	60000.00	125.00	82500.00	105.00	52500.00	150.00	75000.00
1200.00	72000.00	1000.00	60000.00	1050.00	63000.00	1000.00	60000.00

477.00	DURGA ENTERPRIS ES
1428.00	DURGA ENTERPRIS ES
3404.00	DURGA ENTERPRIS ES
30555.00	DURGA ENTERPRIS ES
28000.00	M/s P N Nagare
15875.00	Umeye Constructio n
9600.00	Shri Laxminaray an Constructio n
52500.00	DURGA ENTERPRIS ES
60000.00	M/s P N Nagare, Umeye Constructio n

Dated to 11/11/23
 J.S.
 Mr.
 24/11/23

R. S. S. S.
 SM (EC)
 25.05.2023

Dated to 25/5/23

1.05	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS 19622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) setting with grey cement slurry @ 2.5 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plaster, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt-Andrea finish Size of the 600 x 600 mm	6.00	sqm
1.06	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side included) as per IS 277 and consisting of angle cleats of size 25 mm wide x 16 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener, 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flange of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to all partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of sanded and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer-in-Charge but excluding the cost of painting with 12.5 mm thick tapered edge Class Reinforced Gypsum (GRG) board conforming to IS : 2050 (Part 3) : 1996 (Boards with BIS certification marks)	19.00	sqm
1.06	Providing and fixing pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 gms/sqm as per IS : 277, in 240 mpa steel grade; 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-Charge. The sheet shall be fixed using self drilling self tapping screws of size (5.5 x 55 mm) with EPDM seal, complete upto any pitch in rectangular cutout or curved surfaces, excluding the cost of purline, rafters and trusses and including cutting to size and shape wherever required.	10.00	sqm
1.05	12 mm cement plaster of mix 1:6 (1 cement : 6 fine sand)	190.00	sqm
1.05	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement : 6 fine sand)	130.00	sqm
1.05	6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)	115.00	sqm
1.05	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additive. New work (Two or more coats applied @ 1.43 litre/10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	130.00	sqm
1.05	Painting with synthetic enamel paint of approved brand and manufacturer to give an even shade. Two or more coats on new work.	100.00	sqm
1.05	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	185.00	sqm
1.05	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 gram/litre of approved brand and manufacturer, including applying additional coats wherever required to achieve even shade and colour. Two coats.	185.00	sqm
1.06	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre mat consisting of a coat of bitumen primer for bitumen membrane @ 0.40 lit/sqm by the same membrane manufacturer of density at 25°C: 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc. and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/60N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM. D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane. 3 mm thick	100.00	sqm
1.06	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with load within AAJ Premises.	2070.00	sqm
1.06	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density)	456.00	cum

1200.00	7200.00	1200.00	7200.00	1250.00	7500.00	1250.00	7500.00
1500.00	28500.00	1400.00	26800.00	1090.00	20710.00	1500.00	28500.00
900.00	9000.00	650.00	6500.00	869.00	5690.00	800.00	8000.00
950.00	161500.00	240.00	45600.00	280.00	53200.00	500.00	95000.00
1000.00	130000.00	330.00	42900.00	375.00	48750.00	650.00	84500.00
900.00	103500.00	240.00	27600.00	271.00	31165.00	150.00	17250.00
130.00	18900.00	120.00	15600.00	131.00	17030.00	300.00	39000.00
140.00	14000.00	110.00	11000.00	111.00	11100.00	100.00	10000.00
100.00	18500.00	65.00	12025.00	105.00	19425.00	400.00	74000.00
150.00	27750.00	100.00	19500.00	103.00	15065.00	390.00	64750.00
400.00	40000.00	650.00	65000.00	477.00	47700.00	650.00	65000.00
100.00	207000.00	90.00	186300.00	125.00	258750.00	16.00	33120.00
40.00	16640.00	20.00	8320.00	17.00	7920.00	15.00	6890.00

7200.00	Shri Laxminaray an Constructio n Umiya Constructio n
20710.00	DURGA ENTERPRISES
5690.00	DURGA ENTERPRISES
45600.00	Umiya Constructio n
42900.00	Umiya Constructio n
17250.00	M/s P N Nagane
15600.00	Umiya Constructio n
10000.00	M/s P N Nagane
12025.00	Umiya Constructio n
18500.00	Umiya Constructio n
40000.00	Shri Laxminaray an Constructio n
33120.00	M/s P N Nagane
6990.00	M/s P N Nagane

Dated in CAPM
25/05/2023

R. Pandey
SM (EU)
25.05.2023

Dated in
25/5/2023

1.06	Providing and laying design mix cement concrete of M-30 grade in made 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 sleeves to bars wherever required, laying in situ, spreading and compacting mechanically by using needle and surface vibrators, leveling to required slope/camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contractors expansion, contraction & longitudinal joints (10 mm wide x 50 mm deep) by grooves cutting machine, providing and filling joints with approved joint filler and sealants, complete as per direction of Engineer-in-charge (them of joint fillers, sealants, dowel bars with sleeves to bars to be paid separately). Note: Cement content considered in M-30 is @ 340 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately. Note: The Mix design is available with AAI kohapur Airport and the same will be provided to the contractor for the work. Contractor has to prepare a trial mix with the design provided by AAI and get the trial verified before execution of work. All the material to be used for execution shall be tested and matched with mix design provided by AAI before execution of work. The extra cement as per design will be payable to the contractor under relevant item.	375.00	cum
1.06	Providing and laying pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet, cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 30%, conforming to IS 1838 for fibre board and IS 1834 for hot sealing bitumen compound grade A).	3400.00	per cm depth per cm width per metre length
1.06	Painting road surface marking with adequate nos. of coats to give uniform finish with ready mixed road marking paint conforming to IS 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete. New work (Two or more coats)	120.00	sqm
1.06	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acrylonitrile) or HPI (high impact polystyrene) or ABS having electronically welded micro prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro-reflective surface shall be 35 (+/-5) degrees to base. The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I 809 as recommended in BS 673 part 4 - 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.	50.00	each
1.06	Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminum sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC - 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class I of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminum alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminum sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position as per drawings, specification and direction of the engineer-in-charge. (Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment). Overhead infomratory road signage	1.00	sqm
1.06	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not be more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	10.00	cum
1.06	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at CMC, 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)	275.00	cum
1.07	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at CMC in 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.	170.00	cum
1.07	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpaths, parks, lawns, drive ways or light traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of interlocking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, complete as per direction of Engineer-in-Charge. 80 mm thick C.C. paver block of M-30 grade with approved color design pattern.	2000.00	sqm

Done by *CPA R24*
Shri
25.05.23

7800.00	2928000.00	8300.00	3112900.00	6750.00	2531250.00	7500.00	2812500.00
50.00	120000.00	15.00	24000.00	4.00	9600.00	120.00	288000.00
200.00	24000.00	100.00	12000.00	205.00	24360.00	900.00	94000.00
250.00	12500.00	200.00	10000.00	149.00	7450.00	400.00	20000.00
25000.00	25000.00	7000.00	7000.00	14262.00	14262.00	4500.00	4500.00
7500.00	75000.00	8000.00	80000.00	7300.00	73000.00	1500.00	15000.00
2200.00	884000.00	2500.00	678000.00	3000.00	540000.00	2000.00	540000.00
2500.00	425000.00	2850.00	484500.00	7050.00	248500.00	2200.00	374000.00
780.00	1560000.00	1000.00	2000000.00	800.00	1600000.00	900.00	1800000.00

Done by *Shri*
SM(E)
25.05.23

2531250.00	DURGA ENTERPRISES
9600.00	DURGA ENTERPRISES
12000.00	Uniya Construction
7450.00	DURGA ENTERPRISES
4500.00	M/s P N Nagare
15000.00	M/s P N Nagare
540000.00	DURGA ENTERPRISES, M/s P N Nagare
348500.00	DURGA ENTERPRISES
1560000.00	Shri Luxminaray Construction

Done by *Shri*
25/5/23

1.07	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid. 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS 7221, with all fittings and fixtures complete. including cutting and making good the walls and floors wherever required. W.C. pan with (S) marked white solid plastic seat and lid	1.00	Each
1.07	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar tap, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	1.00	Each
1.07	Providing and fixing Stainless Steel A IS: 204 (18/8) kitchen sink as per IS 13663 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required. Kitchen sink without drain board 610x510 mm bowl depth 200 mm	1.00	Each
1.07	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	2.00	Each
1.07	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	Each
1.07	Providing and fixing toilet paper holder C.P. brass	1.00	Each
1.07	Providing and fixing soil waste and vent pipes 75 mm diameter Centrifugally cast (spun) iron socketed pipe as per IS - 3689	20.00	metre
1.07	Providing and fixing plain bend of required degree 75 mm dia Sand cast iron S&S as per IS - 3689	2.00	Each
1.08	Providing and fixing single equal plain junction of required degree 75x75x75 mm Sand cast iron S&S as per IS - 3689	2.00	Each
1.08	Providing and fixing collar 75 mm Sand cast iron S&S as per IS - 3689	2.00	Each
1.08	Providing lead caulked joints to sand cast iron centrifugally cast (spun) iron pipes and fittings of diameter 75 mm	30.00	Each
1.08	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors. 100 mm inlet and 75 mm outlet Sand Cast iron S&S as per IS-1729	2.00	Each
1.08	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work Exposed on wall 20 mm nominal dia Pipes	20.00	metre
1.08	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work Exposed on wall 40 mm nominal dia Pipes	10.00	metre
1.08	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal dia Pipes	20.00	metre
1.08	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 32 mm nominal dia Pipes	10.00	metre
1.08	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25 mm nominal dia Pipes	350.00	metre
1.08	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 40 mm nominal outer dia Pipes	10.00	metre

2500.00	2500.00	7000.00	7000.00	7043.00	7043.00	11800.00	11600.00
2400.00	2400.00	3500.00	3500.00	3770.00	3770.00	6900.00	6900.00
5000.00	6000.00	3300.00	3300.00	5428.00	5428.00	9850.00	9850.00
120.00	240.00	70.00	140.00	1695.00	3390.00	200.00	400.00
1800.00	1900.00	900.00	900.00	2043.00	2043.00	950.00	950.00
400.00	400.00	450.00	450.00	1424.00	1424.00	4000.00	4000.00
900.00	18000.00	900.00	18000.00	500.00	10000.00	2000.00	40000.00
300.00	600.00	300.00	800.00	505.00	1010.00	1100.00	2200.00
500.00	1000.00	500.00	1000.00	1222.00	2444.00	3000.00	6000.00
275.00	550.00	270.00	540.00	460.00	920.00	1500.00	3000.00
200.00	6000.00	400.00	12000.00	400.00	12000.00	900.00	15000.00
1200.00	2400.00	800.00	1600.00	2197.00	4394.00	600.00	1200.00
325.00	5500.00	225.00	4500.00	358.00	7160.00	350.00	7000.00
600.00	6000.00	600.00	6000.00	743.00	7430.00	550.00	5500.00
450.00	9000.00	350.00	7000.00	500.00	10000.00	350.00	7000.00
700.00	7000.00	500.00	5000.00	700.00	7000.00	450.00	4500.00
250.00	87500.00	280.00	98000.00	230.00	90500.00	375.00	131250.00
350.00	3500.00	500.00	5000.00	948.00	9480.00	550.00	5500.00

2500.00	Shri Laxminaray an Constructio n
2400.00	Shri Laxminaray an Constructio n
3300.00	Umiya Constructio n
140.00	Umiya Constructio n
900.00	Umiya Constructio n
400.00	Shri Laxminaray an Constructio n
10000.00	DURGA ENTERPRIS ES
600.00	Shri Laxminaray an Constructio n, Umiya Constructio n
1000.00	Shri Laxminaray an Constructio n, Umiya Constructio n
540.00	Umiya Constructio n
6000.00	Shri Laxminaray an Constructio n
1200.00	M/s P N Nagane
4500.00	Umiya Constructio n
5000.00	Umiya Constructio n
7000.00	M/s P N Nagane, Umiya Constructio n
4500.00	M/s P N Nagane
80500.00	DURGA ENTERPRIS ES
3500.00	Shri Laxminaray an Constructio n

Dated on 11/10/23
 For
 18/10/23

B. Radhi
 SMC
 25-05-23

Dated
 20/5/23

1.09	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes joining of pipes & fittings with one step CPVC solvent cement, branching, refilling & testing of joints complete as per direction of Engineer-in-Charge. External work 50 mm nominal dia Pipes	50.00	metre
1.09	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, viz cutting and making good the walls etc. Internal work - Exposed on wall 50 mm dia nominal bore	20.00	metre
1.09	Providing and fixing gun metal gate valve with C.I. outlet of approved quality (screwed end) 50 mm nominal bore	3.00	each
1.09	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 50 mm nominal bore	2.00	each
1.09	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS - 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	3000.00	per litre
1.09	Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8931 15 mm nominal bore	2.00	each
1.09	Providing and fixing C.P. brass angle valve for basin mixer and glyster points of approved quality conforming to IS 8931 15mm nominal bore	1.00	each
1.09	Providing and laying 150 mm OD High density Polythene (HDPE) Pipes material grade PE - 80, working pressure rating PN 4 (i.e. maximum permissible working pressure) conforming IS - 14333 including all fittings and joints by duct welding method including testing of joints etc. complete as required	800.00	metre
1.09	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design. 100x100 mm size IF type With local available size fly ash bricks of class designation 5	1.00	each
1.09	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design. 0.91 m deep with S.F.R.C. cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to IS - 12582, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately). With local available size fly ash bricks of class designation 5	1.00	each
1.10	Providing M.S. floor rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design. With 20x20 mm square bar	5.00	each
1.10	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 1:2:5 Rectangular shape 600x450 mm internal dimensions	20.00	each
1.10	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg	1.00	each
1.10	Constructing slope pit 1.20x1.20x1.30 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	2.00	Each
1.10	Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars spaced sorted with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete. 600 mm dia RCC pipes	40.00	metre
1.10	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections; appropriate Z sections and other sections of approved make conforming to IS 733 and IS 1285, 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, milled and jointed mechanically whenever required including crest angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, painting and dash fasteners to be paid for separately). (For fixed portion) Powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	78.00	kg

775.00	38750.00	700.00	35000.00	750.00	37500.00	750.00	37500.00
784.00	18720.00	700.00	14000.00	808.00	18160.00	1350.00	35000.00
850.00	1700.00	6000.00	12000.00	2233.00	4466.00	1200.00	2400.00
575.00	1150.00	650.00	1300.00	1797.00	3594.00	2000.00	4000.00
10.00	30000.00	10.00	30000.00	8.00	24000.00	10.00	30000.00
550.00	1100.00	400.00	800.00	1104.00	2208.00	1100.00	2200.00
750.00	750.00	450.00	450.00	1272.00	1272.00	790.00	790.00
200.00	160000.00	1080.00	848000.00	1240.00	992000.00	1350.00	1000000.00
2500.00	2500.00	1700.00	1700.00	4158.00	4158.00	6500.00	6500.00
15000.00	15000.00	8500.00	8500.00	20147.00	20147.00	10000.00	10000.00
500.00	2500.00	350.00	1750.00	781.00	3905.00	300.00	1500.00
1250.00	25000.00	1200.00	24000.00	1200.00	24000.00	3000.00	60000.00
660.00	660.00	600.00	600.00	1708.00	1708.00	4000.00	4000.00
5000.00	10000.00	2950.00	5900.00	4993.00	9986.00	3000.00	6000.00
3500.00	140000.00	3000.00	120000.00	2900.00	116000.00	5500.00	220000.00
550.00	42900.00	500.00	39000.00	400.00	31200.00	800.00	62400.00

35000.00	Umia Construction
14000.00	Umia Construction
1700.00	Shri Laxminaray an Constructio n
1150.00	Shri Laxminaray an Constructio n
24000.00	DURGA ENTERPRIS ES
800.00	Umia Constructio n
450.00	Umia Constructio n
160000.00	Shri Laxminaray an Constructio n
1700.00	Umia Constructio n
9500.00	Umia Constructio n
1500.00	M/s P N Nagene
24000.00	DURGA ENTERPRIS ES, Umia Constructio n
600.00	Umia Constructio n
5900.00	Umia Constructio n
118000.00	DURGA ENTERPRIS ES
31200.00	DURGA ENTERPRIS ES

Dated & (PP) label
2/Jan
No
H/H/H

Ranali
SM/EN
25.05.2023

Parth
25/5/23

1.10	Providing and fixing aluminum work for doors, windows, ventilator and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS- 733 and IS- 1285, 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. Aluminum sections shall be smooth, rust free straight, joined and jointed mechanically wherever required including: (a) single Aluminum snap beading for glazing - panelling, (C.P. brass - stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately). For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminum (minimum thickness of powder coating 50 micron)	136.00	kg
1.10	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS- 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partitions with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	17.00	sqm
1.10	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminum snap beading shall be paid in bills item). With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	18.00	sqm
1.10	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminum doors including necessary cutting and making good etc. complete.	7.00	each
1.11	Providing and fixing anodized aluminum grill (anodized transparent or dyed to required shade according to IS- 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the ceiling window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodized aluminum standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	9.00	kg
1.11	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	6.00	cum
1.11	Brick work with local available size Fly ash bricks of class designation 5 in foundation and plinth in : (a) Cement Mortar 1:6 (1 Cement : 6 Coarse sand)	8.00	Cum
1.11	Brick work with local available size fly ash bricks of class designation 5 in superstructure above plinth level upto floor level in all shapes and sizes in : (a) Cement Mortar 1:6 (1 Cement : 6 Coarse sand)	43.00	Cum
1.11	Half brick masonry with local available size fly ash bricks of class designation 5 in foundations and plinth in : (a) Cement mortar 1:4 (1 Cement : 4 coarse sand)	41.00	sqm
1.11	Half brick masonry with local available size fly ash brick of class designation 5 in superstructure above plinth level upto floor level : (a) Cement mortar 1:4 (1 Cement : 4 coarse sand)	8.00	sqm
1.11	Providing and Fixing Brass 1/2" Half Turn Handle Valve complete as per direction of Engineer-in-Charge 20mm nominal Dia	9.00	each
1.11	Providing and fixing vertical blinds of approved make as per manufacturer's specification and size complete in all respect as per direction of Engineer-in-charge. 100mm wide pellets	14.00	sqm
1.11	Supplying and fixing of CPVC Taper Connector for Connecting Overhead PVC pipe to existing Supply line of approved make complete as per direction of Engineer-in-charge	3.00	each
1.11	Providing and fixing wall mounted liquid soap container of approved make ISI mark having PVC container with minimum 200 ml capacity and push button facility complete as directed by Engineer in charge.	2.00	each
1.12	Providing and fixing health faucet ISI mark (Hand shower) with min. 1mtr long flexible tube with wall hook and knob with lever of approved make complete as per direction and satisfaction of Engineer-in-charge	1.00	each
1.12	Providing and fixing SS or CP grating for Nahani Trap with white cement and matching colour of approved quality, all complete as per direction of Engineer-in-Charge 100 mm nominal size square OR 100mm dia Circular	2.00	each
1.12	Providing and fixing aluminum composite panel (ACP) sheet of approved make and standard size on existing frame upto any height all complete as per direction of Engineer-in-charge 4mm thick Non FR Grade ACP Sheet (Aluminum 0.5 mm thick on both sides)	10.00	sqm

550.00	74900.00	600.00	91600.00	400.00	54400.00	800.00	108800.00
850.00	14450.00	850.00	14450.00	967.00	16439.00	7000.00	118000.00
1200.00	21800.00	750.00	13500.00	1180.00	20700.00	5800.00	99000.00
850.00	5950.00	350.00	2450.00	495.00	3485.00	1800.00	12800.00
550.00	4850.00	650.00	5950.00	589.00	5031.00	900.00	7200.00
4800.00	37000.00	6400.00	38400.00	6000.00	36000.00	6000.00	36000.00
5500.00	44000.00	7300.00	58400.00	5800.00	46400.00	6000.00	48000.00
6200.00	266800.00	7450.00	320350.00	6700.00	246100.00	6500.00	279500.00
1200.00	48200.00	1000.00	81000.00	821.00	33681.00	1200.00	49200.00
1200.00	9600.00	1200.00	9600.00	821.00	6568.00	1800.00	14400.00
940.00	6480.00	2000.00	18000.00	805.00	7245.00	1000.00	9000.00
750.00	10500.00	1900.00	26600.00	1017.00	14236.00	800.00	11200.00
140.00	420.00	800.00	2400.00	189.00	607.00	300.00	900.00
2000.00	4000.00	600.00	1200.00	847.00	1694.00	400.00	800.00
200.00	200.00	1500.00	1500.00	1271.00	1271.00	1800.00	1800.00
100.00	200.00	70.00	140.00	381.00	762.00	400.00	800.00
2200.00	22000.00	1800.00	18000.00	4500.00	45000.00	3900.00	39000.00

54400.00	DURGA ENTERPRISES
14450.00	Shri Laxminaray an Construction, Umiya Construction
13500.00	Umiya Construction
2450.00	Umiya Construction
4950.00	Shri Laxminaray an Construction
27000.00	Shri Laxminaray an Construction
44000.00	Shri Laxminaray an Construction
245100.00	DURGA ENTERPRISES
33681.00	DURGA ENTERPRISES
6568.00	DURGA ENTERPRISES
7245.00	DURGA ENTERPRISES
10500.00	Shri Laxminaray an Construction
420.00	Shri Laxminaray an Construction
800.00	Mrs P N Nagare
200.00	Shri Laxminaray an Construction
140.00	Umiya Construction
18000.00	Umiya Construction

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1.12	Providing and fixing PVC speed breakers having pieces of size 250 mm long x 350 mm wide x 50 mm high with back side hollow section for filling of plain cement concrete (1:2:4) (1 cement : 2 Coarse sand : 4 graded stone aggregate 20 mm nominal size). The speed breakers shall be fixed with the help of dash fastener. Size of dash fastener shall be 10 mm dia and 80 mm long and no. of dash fastener in each piece shall be 04. Rate includes all material / labour transport, fixing at taxes etc. complete as per the direction & satisfaction of EIC. (Cost of Concrete and Dash Fastener Shall be paid for Separately)	20.00	metre
1.12	Providing & filling of dummy/construction joints with polysulphide joint sealing compound conforming to grade BS 5212, Part I, 1990) of approved make including painting the sides of slab with approved primer and filling the groove 10mm width x 10mm deep including inserting the backer rod of approved make of appropriate dia to receive the specified sealing compound, providing and applying bond breaking tape on top edges of joint to prevent accidental spillage of sealant on top surface and to give a neat finish to the sealant has been applied and tamped, all complete as per specification and direction of Engineer-in-Charge.	350.00	metre
1.12	Providing & filling of expansion joints with polysulphide joint sealing compound conforming to grade BS 5212, Part I, 1990) of approved make including painting the sides of slab with approved primer and filling the groove 20mm width x 25mm deep including inserting the backer rod of appropriate dia of approved make to receive the specified sealing compound, providing and applying bond breaking tape on top edges of joint to prevent accidental spillage of sealant on top surface and to give a neat finish to the sealant has been applied and tamped, all complete as per specification and direction of Engineer-in-Charge.	50.00	metre
1.12	Providing and fixing pigeon control spikes made of polycarbonate material with base width 40 mm, height of spikes 115mm and coverage width 140mm. The bird spikes shall be placed along the length on roof tops/ railings/ glass partitions etc. at affected places and fixed using double tapes at all heights complete all as directed by Engr-in-Charge.	10.00	metre
1.12	Construction of embankment with Good earth/ Moorum. The complete operation will include spreading the Moorum with dozer, dressing, leveling, providing camber, grading with motor grader and consolidating with vibratory roller 8-10 tonne capacity including making good the undulation etc. as per technical specifications and drawings complete and directions of Engineer-in-Charge. (Moorum/Good earth is available inside AAJ premises and the same will be excavated by the contractor and shall be brought to the work site. Cost of excavation will be paid separately and nothing extra shall be paid for lift and haul upto the desired location).	19533.00	cum
1.12	Providing & fixing PVC pipe of 75mm dia and 100mm length, as per direction & satisfaction of Engineer-in-Charge.	40.00	Each
1.12	Providing & Fixing Acrylic sheet Signage Board in letter writing of approved quality by polyvinyl sheet letters cutting and pasting all complete to the satisfaction of Engineer-in-Charge. 3.0mm thick sheet.	1.00	sqm
1.13	Providing and laying polythene sheet of 400 microns on the base course with overlaps of not less than 100mm longitudinally and 150 mm transversely complete as per specifications and as directed by Engineer-in-Charge.	1500.00	sqm
1.13	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1 : 6 : 12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with Cement mortar 1 : 6 (1 cement : 6 coarse sand). Stone will be supplied free of cost by AAJ.	354.00	cum
2.00	Electrical Works		
2.01	Wiring for light point/fan point/exhaust point/call bell point with 1.5 sq. mm PVC insulated, FRLS, copper conductor cable in surface/recessed, GI conduit as required. i) Group C	15.00	Point
2.02	Wiring for group controlled (looped) light point/fan point/exhaust fan point/call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed GI conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required Group C	10.00	Point
2.03	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 GI conduit complete as required. a) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	200.00	Mtr
2.04	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 GI conduit complete as required. b) 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	300.00	Mtr
2.05	SITC of LED Luminaire of rating 36 Watt with complete diffuser, control gear, having driver box complete with prewired accessories as required, suitable to operate on 230V, 50 Hz AC supply (Make: Crompton Greaves, model: LCTLRN-36-FD-CDL or equivalent)	17.00	Each
2.06	Supply of 60W (maximum system wattage) LED light Luminaire, complete with lamp, pressure die cast aluminium heat sink, driver, high quality optics, all accessories etc. as required, operating on 180-270 volts & 50 Hz, IP 65/66 for complete fixture. (Make: Crompton LSTP-60-CDL or equ. in Bajaj/ PHILIPS/Havells/GE India)	6.00	Each
2.07	1 T.C of 60 watt LED roadway luminaire with wiring in a bracket and providing & fixing the bracket made of 32mm dia "T" class GI pipe, on the existing wall with suitable clamps, nut & bolts etc. complete as required.	8.00	Job
2.08	Supply of 1400mm Sweep Electric ceiling fan, capacitor type with double ball bearing complete with electronic speed regulator suitable fan capacitor driven rod, shackles, blades suitable for operation on 230 / 240V 50 Hz single phase AC supply complete etc. as required. (Make Crompton or Equivalent of AAJ approved makes)	3.00	Each

1800.00	36000.00	700.00	14000.00	1000.00	20000.00	2000.00	40000.00
350.00	122500.00	30.00	10800.00	17.00	5350.00	400.00	140000.00
1700.00	85000.00	80.00	4000.00	17.00	880.00	190.00	7500.00
688.00	6960.00	800.00	6000.00	1695.00	16950.00	625.00	6250.00
75.00	1464975.00	135.00	2636955.00	130.00	253290.00	200.00	3906600.00
22.00	880.00	160.00	4000.00	339.00	13560.00	30.00	1200.00
49000.00	49000.00	5000.00	5000.00	7233.00	7233.00	4000.00	4000.00
100.00	190000.00	130.00	195000.00	14.00	21000.00	120.00	190000.00
3800.00	1345200.00	8500.00	1947000.00	4650.00	1646100.00	1800.00	637200.00
850.00	12750.00	1500.00	22500.00	1645.00	23175.00	1860.00	27900.00
450.00	4500.00	1100.00	11000.00	1090.00	10900.00	1500.00	15000.00
125.00	25000.00	280.00	56000.00	280.00	56000.00	375.00	75000.00
210.00	63000.00	340.00	102000.00	230.00	97000.00	470.00	141000.00
2400.00	40800.00	2000.00	34000.00	4500.00	76500.00	6200.00	105400.00
7000.00	42000.00	6000.00	24000.00	6000.00	28000.00	5785.00	34710.00
650.00	3900.00	1000.00	6000.00	678.00	4068.00	1900.00	11400.00
1800.00	5400.00	2800.00	8400.00	2119.00	6357.00	3025.00	9075.00

14005.00	Umriya Construction
5360.00	DURGA ENTERPRISES
850.00	DURGA ENTERPRISES
6000.00	Umriya Construction
1464975.00	Shri Laxminaray an Constructio n
880.00	Shri Laxminaray an Constructio n
4000.00	M/s P N Nagare
21000.00	DURGA ENTERPRISES
637200.00	M/s P N Nagare
12780.00	Shri Laxminaray an Constructio n
4900.00	Shri Laxminaray an Constructio n
25000.00	Shri Laxminaray an Constructio n
83000.00	Shri Laxminaray an Constructio n
34000.00	Umriya Constructio n
24000.00	Umriya Constructio n
3900.00	Shri Laxminaray an Constructio n
5400.00	Shri Laxminaray an Constructio n

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2.09	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	3.00	Each
2.10	BTTC of 15 inch Sweep Exhaust fan, suitable for operation on 230/240V 50 Hz single phase AC supply including making good the damage connection complete etc. as required	3.00	Job
2.11	Supplying and fixing GI box of 180mm x 100mm x 60mm, deep (mounting) on surface or in-roof with suitable size of phenolic laminated sheet cover on the front including providing and fixing 5-pair 5/6 Amps, & 15/16 amp socket outlet and 15/16 amp modular type complete as required	15.00	Each
2.12	Supplying and fixing following surface recess mounting, Vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of bus bar, common neutral line, earth bar, din bar for mounting MCB's (But without MCB's and incomer) as required. a) 4 way Double Door (8+12)	1.00	Each
2.13	Supplying and fixing following surface recess mounting, Vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of bus bar, common neutral line, earth bar, din bar for mounting MCB's (But without MCB's and incomer) as required. b) 8 way Double Door (8+24)	1.00	Each
2.14	Supplying and fixing following rating, four pole, 415 volts, "C" curve, miniature circuit breaker in the existing MCB DB complete with connections, testing and commissioning etc. as required. a) 32 amps.	1.00	Each
2.15	Supplying and fixing following rating, four pole, 415 volts, "C" curve, miniature circuit breaker in the existing MCB DB complete with connections, testing and commissioning etc. as required. b) 40 amps.	1.00	Each
2.16	Supplying and fixing of 40A, four pole, 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2.00	Each
2.17	Supplying and fixing 5 amps, to 32 amps, rating, 240 volts, "C" series miniature circuit breaker of following sizes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single Pole	52.00	Each
2.18	Providing and fixing 4.0 mm dia copper wire on surface of cable with tie for loop earthing as required	60.00	Mtr
2.19	Supplying and fixing 8 way Double Door surface recess mounting, 240 volts, SPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of bus bar, common neutral line, earth bar, din bar for mounting MCB's (But without MCB's and incomer) as required	2.00	Each
2.20	Supplying and fixing of 16A, double pole, (single phase and neutral), 240 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required	2.00	Each

4000.00	12000.00	300.00	900.00	424.00	1272.00	505.00	1915.00
5500.00	16500.00	2200.00	6800.00	3700.00	11100.00	5100.00	15300.00
1500.00	22500.00	450.00	6750.00	424.00	6360.00	4110.00	6160.00
5500.00	8500.00	9000.00	9000.00	8475.00	8475.00	32720.00	32720.00
8500.00	8500.00	9000.00	9000.00	9500.00	9500.00	40475.00	40475.00
1800.00	1800.00	1000.00	1000.00	2966.00	2966.00	1800.00	1800.00
2400.00	2400.00	1100.00	1100.00	3390.00	3390.00	2563.00	2563.00
8500.00	17000.00	5700.00	11400.00	3390.00	6780.00	4115.00	8730.00
550.00	28600.00	270.00	14040.00	169.00	8788.50	280.00	13520.00
550.00	33000.00	170.00	10200.00	127.00	7620.00	135.00	8100.00
4500.00	8000.00	1000.00	2000.00	1695.00	3390.00	9075.00	18190.00
1900.00	3000.00	500.00	1000.00	1695.00	3390.00	770.00	1540.00

900.00	Umia Construction
6600.00	Umia Construction
6360.00	DURGA ENTERPRISES
5500.00	Shri Laxminaray an Construction
8500.00	Shri Laxminaray an Construction
1000.00	Umia Construction
1100.00	Umia Construction
6780.00	DURGA ENTERPRISES
8788.00	DURGA ENTERPRISES
7620.00	DURGA ENTERPRISES
2000.00	Umia Construction
1000.00	Umia Construction

Total in Figures

18239435.00

20357028.00

19008576.00

21795948.00

Lowest Amount Quoted By: Shri Laxminarayan Construction(18239435.00)

Dated to CM 1st
2/5/23
2/5/23

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