



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



No: AAI/TRY/ENGG(C)/AR&MO(RESI AREA)/20-21/132

Date: 14-09-2020

To

M/s.M. Mani,

9/3A, Selvamani Illam, 6th Street, Palani Nagar, K.K. Nagar (P.O), Trichy - 620021.

Email : mmconstn@gmail.com, Mobile : 94439 49007, 97915 03734

Name of work: A/R&M/O Civil works at Trichy Airport during the year 2020-2021.

S.H: Civil Repair and Maintenance works in Non-Operational area including Colony, CISF barrack, Car parking area and Power house.

Ref: Your e-Bid Ref No.AAI/TRY/ENGG(C)/AR and MO(RESI)/20-21, Tender ID: 2020_AAI_54656_1 opened on 02-09-2020.

Dear Sir,

1. Your Percentage rated e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the Percentage quoted by you totaling to **(-)35.37% (Minus Thirty Five Decimal Three Seven Percentage)** on CPWD DSR 2018 Rates & Additional Miscellaneous Items as mentioned in your Price BOQ **Plus applicable GST**. Estimated cost is Rs.45,00,000/- (Rupees Forty Five Lakhs Only).
2. The Asst. General Manager (Engg-Civil), AAI, Trichy Airport shall be the Engineer-In-Charge of the work. You are requested to attend the office of Asst. General Manager (Engg-Civil) on (or) before 23-09-2020 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. The Earnest Money amount of Rs.1,50,000/- (Rupees One Lakhs Fifty Thousand only) received along with your tender in the form of Demand Draft will be treated and converted as part of Security Deposit as per Clause 1 A of Clauses of Contract on Page No.36 of contract document. Please deposit Rs.3,00,000/- (Rupees Three Lakhs Only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per Clause 1 A of Clauses of Contract on Page No.36 of contract document.
4. You are requested to comply with the Provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 and minimum wages Act & Rules there of Central and State Governments.



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5. You are requested to comply with all provisions of the Employees Provident Fund and miscellaneous provisions Act 1952 and Employees State Insurance Act 1948, amended from time to time and rule framed there under wherever applicable.
6. You are also directed to contact Manager (Engg-Civil) immediately who will arrange to hand over the site to you for the commencement of work.
7. The letters under reference shall form part of Agreement.
8. Please note that the time allowed for carrying out the work shall be **12 (Twelve) months only** and **same shall be reckoned from 2nd day** after the date of issue of this letter.
9. Any further correspondence in connection with contract should normally be addressed to the Engineer-In-Charge.
10. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

Thanking you,

Yours faithfully,
/ Sd /-
(R. Prabakaran),
AGM (Engg-Civil),
For and On Behalf of Chairman,
Airports Authority of India.

- Encl: 1. Percentage BOQ / Price Schedule.
2. List of Additional Miscellaneous Items.

N.O.O:

Copy to: For Information please.

1. GM (Engg-Civil), AAI, SR, Chennai - 27.
2. Airport Director, AAI, Trichy - 07.
3. Jt. GM (Vigilance), AAI, SR, Administrative Building, Chennai - 27.
4. Jt. GM (Engg-Civil), AAI, SR, Chennai - 27.
5. AGM (Engg-Elect), AAI, Trichy - 07.
6. SM (Fin), AAI, Trichy - 07.
7. Manager (Engg-Civil), AAI, Trichy - 07.
8. JE(Engg-Civil), AAI, Trichy - 07.
9. Labour Enforcement Officer, Office of Labour Enforcement, 510/A, McDonalds Road, Trichy - 620 001.

P. Prabakaran
(R. Prabakaran),
AGM (Engg-Civil),
For and On Behalf of Chairman,
Airports Authority of India.

सहायक प्रबंधक (इंजीनियरिंग) / Asst. General Manager (E-C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
त्रिचय हवाई अड्डा / Trichy Airport

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Percentage BoQ

Tender Inviting Authority: Assistant General Manager (Engg-Civil), AAI, Trichy International Airport, Trichy - 620 007.

Name of Work: A/R&M/O Civil works at Trichy Airport during the year 2020-2021. S.H: Civil Repair and Maintenance works in Non-Operational area including Colony, CISF barrack, Car parking area and Power house.

Contract No: Tender Ref No: AAI/TRY/ENGG(C)/AR and MO(RESI)/20-21, Tender ID: 2020_AAI_54656_1

Name of the Bidder/ Bidding Firm / Company :		M MANI						
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only.)								
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT Without GST	TOTAL AMOUNT without GST In Words		
1	2	3	4	5	6	7		
1	AMC NON-OPERATIONAL AREA 2020-21							
1.01	Rates applicable for Delhi Schedule of Rates 2018 items (Sub Head-I) + Rates applicable for Additional Miscellaneous Items from 01 to 132 (Sub Head-II) of the Tender Document.	1.000	Year	100.00	100.00	INR One Hundred Only		
Total in Figures					100.00	INR One Hundred Only		
Quoted Rate in Figures			Less (-)	35.37%	64.63	INR Sixty Five Only		
Quoted Rate in Words						INR Sixty Five Only		

ADDITIONAL MISCELLANEOUS ITEMS FOR NON OPNL AREA DURING THE YEAR 2020-21

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
1	Supplying and laying of 50 class designation bricks for demarcation complete in all respects as per the direction of Engineer-In-Charge.	Each	9.30
2	Deduction for using class designation 50 against class designation 75 bricks in brick work.	cum	307.40
3	Deduction for using class designation 50 against class designation 75 bricks in half brick masonry.	sqm	35.20
4.a	Providing and fixing Acrylic sheet of clear white or any other colour in shape as approved by EIC including laser cutting, assembly and fixing with necessary paste all complete as per direction of EIC. A) 2mm thick	sqm	2358.60
4.b	Providing and fixing Acrylic sheet of clear white or any other colour in shape as approved by EIC including laser cutting, assembly and fixing with necessary paste all complete as per direction of EIC. b) 4mm thick	sqm	3868.90
4.c	Providing and fixing Acrylic sheet of clear white or any other colour in shape as approved by EIC including laser cutting, assembly and fixing with necessary paste all complete as per direction of EIC. d) 8 mm thick.	sqm	8288.50
4.d	Providing and fixing Acrylic sheet of clear white or any other colour in shape as approved by EIC including laser cutting, assembly and fixing with necessary paste all complete as per direction of EIC. f) 12mm thick.	sqm	10246.20
5	Providing and fixing 6 mm thick polycarbonate sheet of white or any other colour to match with the existing structure excluding the cost of supporting frame work.complete in all respect and as per the direction of Engineer- in- Charge. a) 6mm thick	sqm	829.20
6	Providing and fixing 1mm thick laminate (Decolumn or equivalent) including finishing etc. as per direction of Engineer-in-charge.	sqm	1448.40
7	Providing and fixing aluminium sheet of required gauge on doors with steel screws etc.,complete. a) 20 Gauge.	sqm	671.40
8	Providing and fixing 26 gauge Aluminum sheet on door with steel screws complete in all respects as per the direction of Engineer-in-charge.	sqm	1127.90
9	Providing and fixing 1mm thick GI sheet tray of required size to collect water dropping including cost of materials, labour charges for making the tray with a provision of water outlet and fixing the same at site etc., complete in all respects as per the direction of Engineer-in-charge.	sqm	4490.70

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
10	Tightening of barbed wire or G.I. wire fencing including fixing of broken hooks complete.	metre	6.40
11.A	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. a) Rain water pipe / soil waste and vent pipes.	metre	18.70
11.B	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. b) Manhole including connected sewerage pipes upto the next manhole either manually or using sewer rod	Each	811.50
11.C	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, urinal, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. c) EWC / IWC including connected traps and soil waste pipe upto the nearest opening point in the soil waste pipe.	Each	167.60
11.D	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. d) Wash basin / kitchen sink including connected traps.	Each	41.90
11.E	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. e) House drain (Open)	metre	9.60
11.F	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. f) House drain (Covered)	metre	42.60
11.G	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. g) Storm water drain (road side)	metre	35.60

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
11.H	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. h) Storm water drain (Runway side)	metre	24.30
11.I	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. i) Septic tank (Surface area upto 7.5 sqm)	Each	8550.10
11.J	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. j) Septic tank (Surface area 7.5 sqm to 15.00 sqm)	Each	15198.00
11.K	Cleaning of choked / blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully trap, EWC, IWC, wash basin, kitchen sink, bottle traps, house drain, storm water drain etc., of any diameter and sizes including removal of malba as directed by Engineer-in-charge. k) Septic tank (Surface area above 15.00 sqm)	Each	19458.00
12	Providing and laying vitrified anti skid floor tiles in different sizes of minimum thickness 8 mm with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 Coarse sand / M sand), including grouting the joints with white cement and matching pigments etc., complete a) Size of Tile 600x600 mm	sqm	1473.20
13	Providing and fixing 1st quality ceramic glazed jointless wall tiles conforming to IS : 15622 of minimum thickness 8 mm, of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 Coarse sand / M sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. a) Size of Tile 600x300 mm	sqm	1375.80
14	Laying available / dismantled vitrified floor tiles in different sizes (thickness to be specified by manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 65mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand / M sand) including grouting the joints with white cement and matching pigment etc., complete. a) Size of tile 60 x 60 cm.	sqm	583.70

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
15	Laying of Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 Coarse sand / M sand : 12 graded aggregate stone 20 mm nominal size) at plinth level with : a) Cement mortar 1:6 (1 cement : 6 Coarse sand / M sand) (Rubble provided by department)	cum	4078.30
16	Polishing on marble work/Granite work/stone work where ever required to give high gloss finish by Grinding the floor by using 60,100, 200(diamond pads) to remove the stain, Softening the floor by using 400 (diamond pads), Polishing the floor by using 800,1200,1500,3000 then Buffing the floor by using Nobale powder and Final buffing by using Ternova liquid wax all complete as directed by the Engineer-in-Charge.	sqm	468.70
17	Attending various day to day complaints and rectifying the defects / cause of complaints by deploying labour (unskilled, semi - skilled as and when required) with necessary T & P but without changing / replacing the fittings / fixtures. However, the minor stores like screws for tightening hinges, tower bolts, door handles etc., to prevent the leakage in bib cocks, stop cocks, pillar cocks etc., is included in the rate. (Percentage above / below quoted by contractor will not be applicable on Item No.17) a)Upto 50 complaints in a month.	Each	21176.90
18	Attending various day to day complaints and rectifying the defects / cause of complaints by deploying labour (unskilled, semi - skilled as and when required) with necessary T & P but without changing / replacing the fittings / fixtures. However, the minor stores like screws for tightening hinges, tower bolts, door handles etc., to prevent the leakage in bib cocks, stop cocks, pillar cocks etc., is included in the rate. (Percentage above / below quoted by contractor will not be applicable on Item No. 18.) b) Extra for each additional complaint beyond 50 in a month	Each	84.70
19	Provision of Services for day to day maintenance of Garden at Airport premises including necessary Tools & Machineries etc., complete in all respects as per the direction of Engineer-In-Charge. . (Percentage above / below quoted by contractor will not be applicable on Item No. 19)	Day	852.40
20	Provision of Data processing services to Engineering directorate for assisting Maintenance Engineers / Managers in preparation of payment bills, maintenance of office records & files etc. preparations of progress report, all types of computer / clerical works etc and other related works / duties as directed by E.I.C (This item rate will be fixed, above or below percentage quoted by the agency will not be applicable on this item)	Day	1009.30

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
21	Provision of Supervisory services to Engineering directorate (Minimum Dipoloma in Civil Engineering) for assisting Maintenance Engineers / Managers in supervision of construction works, Maintenance works, preparation of drawings etc., and other related works / duties as well as to maintain office records etc., as directed by E.I.C (This item rate will be fixed, above or below percentage quoted by the agency will not be applicable on this item)	Day	1056.60
22	Provision of Office Support services to Engineering directorate like maintaining the office etc., by engaging appropriate personal and delivering the services as per the direction of E.I.C.(This item rate will be fixed, above or below percentage quoted by the agency will not be applicable on this item)	Day	852.40
23	Provision of services of unskilled / semi skilled workers for temporary nature of works / works unsucetable to measure as and when required including necessary T & P. (Ex. Works like shifting of store / office, verification of annual stock, filling water in desert coller, shifting of materials, to prevent enroachment on AAI land survey work etc., as directed by E-I-C.(This item rate will be fixed, above or below percentage quoted by the agency will not be applicable on this item)	Each	Minimum wages of state / central whichever is higher is applicable time to time + 15% (CP&OH), +1%TNLWF+1%Water Charges+ 2.5% work in terminal building or 4% work in operational area. As applicable
	a) For airports other than kerala state		
	(Percentage above / below quoted by contractor will not be applicable on Item No.23.a)		
24	Providing and operating the Dozer for leveling, cutting etc., at the Airport premises including transportation to and from the site of operation fuel charges, driver charge and any other incidental expenses on this account all etc. as directed by the Engineer-in-charge. (The payment will be based on the number of hours worked at the site)	hour	1493.60
25	Providing and operating the J.C.B. for leveling, cutting etc., at the Airport premises including transportation to and from the site of operation fuel charges, driver charges and any other incidental expenses on this account all etc. as directed by the Engineer-in-charge. (The payment will be based on the number of hours worked at the site.)	Hour	1618.00
26	Providing and operating the Tipper capacity 10 cum for transporting the Earth etc., at the Airport premises excluding loading including transportation to and from the site of operation fuel charges and any other incidental expenses on this account all etc. as directed by the Engineer-in-charge. (The payment will be based on the number of hours worked at the site). (1day= 8 hours)	Day	9957.00

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
27	Providing and operating the Tata Ace vehicle of capacity 1.68 cum for transporting the Earth etc., at the Airport premises excluding loading including transportation to and from the site of operation fuel charges and any other incidental expenses on this account all etc. as directed by the Engineer-in-charge. (The payment will be based on the number of hours worked at the site).	Day	1618.00
28	Dismantling of Brick / Concrete work and making opening of required size with BOSCH 11 Kg demolition hammer which should not be transferred any impact to the existing building to avoid any development of crack etc., as per direction of Engineer-in-Charge. (Payment shall be made based on the nos of Hours work at the site).	Hour	657.90
29	Hiring of Welding machine 450Amp for welding on Mild Steel sections and Stainsteel sections etc complete all as per direction of Engineer in charge.(Payment shall be made based on the nos of Hours work at the site).	Hour	684.50
30	Cutting by gas or electrical plant including cutting labour, helper and to and from transporting welding plant at site etc., for cutting MS square hollow sections / SS, MS angle complete in all respects as per the direction of Engineer-In-Charge.	rmt	20.70
31	Cutting grooves with groove cutting machine for expansion joints on existing flooring at different locations. The rate includes cutting charges, labour charges, transportation charges of cutting machines, poly sulphide sealant filling in joints etc., complete as per the direction of Engineer-in-charge.	rm	503.80
32	Cutting of existing Granite flooring / flooring tiles, including hire charges of cutting machine with accessories, operator charges & helper complete in all respect as per the direction of Engineer-in-charge.	RM	90.80
33	Providing and fixing wall mounted SS liquid soap container of standard shape with bracket of the same materials with snap fittings of approved quality and colour, 500ml minimum capacity , Brass piston complete as per direction of EIC.	Each	1014.40
34	Providing and fixing of stainless steel liquid soap container Jaquar ACN-CHR-1137N or equivalent complete in all respects as per the direction of Engineer-In-Charge.	Each	2505.80
35	Providing and fixing Aluminum sliding window wheel all complete as per the direction of Engineer-In-Charge.	Each	28.20

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
36	Fixing of available aluminum materials for doors, windows, ventilators and partitions with extruded section / appropriate Z sections and other sections, fixed with rawl plugs and screws or with fixing clips or with expansion hold fastners including necessary filling up to gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc., Aluminum snap beading for glazing / panelling, CP brass / stainless steel screws all complete as per the direction of Engineer-in-charge.(Glazing / panelling to be paid separately). a) For fixed portion.	sqm	1138.30
37	Fixing available prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I Type II / Aluminum labours, in panelling fixed in aluminum doors, windows, shutters and partition frames with CP brass / stainless steel screws etc., complete as per architectural drawings and direction of Engineer-In-Charge (Materials will be supplied by AAI). a) Prelaminated particle board with decorative lamination on both sides.	sqm	241.80
38	Providing and fixing 9 mm thick prelaminated 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 partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.Pre-laminated particle board with decorative lamination on both sides	sqm	536.90
39	Providing and fixing urinal partition made of 12mm thick solid compact laminate(Phenolic Core Board) HPL board in single colour and single board of make Merino/T line/Greenlam or equivalent with necessary SS clamp and screws also complete as per the direction of Engineer in charge	Each	4418.40
40	Providing and fixing 12mm thick plywood complete with necessary screws etc., complete as per the direction of Engineer-In-Charge.	sqm	1557.00
41	Providing and fixing 18mm thick plywood complete with necessary screws etc., complete as per the direction of Engineer-In-Charge.	sqm	1814.80

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
42	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. a) 7mm thick gypsum board of size 595x595 mm having an NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.	sqm	816.80
43	Powder coating and refixing of old aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling tiles as directed by Engineer-in-charge	sqm	167.30
44	Providing and fixing powder coated telescopic drawer channels 600 mm long with necessary screws etc. complete as per directions of Engineer-in- charge.	Each	365.30
45	Providing and fixing horizontal venetian blinds 25mm wide as per required design and complete in all respect as per the satisfaction of Engineer-in-charge.	Sq.m	2280.90
46	Supplying and fixing vertical venetian blinds 100 mm wide including all fittings etc., required complete in all respects as per the direction of Engineer-in-charge.	Sq.m	1209.50
47	Providing & Fixing PVC flooring 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 : 2046 Type S, including cost of adhesive of approved quality as per the direction of Engineer-In-Charge. a) 1.3 mm thick	Sq.m	559.30
48	Supplying and fixing of wall cladding using 12mm thick bison panel fix over the fabricated frame on outer side by means of self drilling screws apply one coat of primer on both sides and two coats approved color emulsion paint on the visible side etc., complete as per the direction of Engineer-in-charge.	Sq.m	470.70

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
49	Providing and fixing Gypsum board partitions / wall cladding work up to ceiling height to either side or one side of the frame by 20 mm long drive wall screats on frames at the spacing of 300 mm centre to centre including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, jointing finishes and direction of Engineer-in-charge all complete (Frame work shall be paid separately) with 12 mm thick double skin plain Gypsum board confirming to IS : 2095 Part-I.	Sq.m	350.50
50	Dismantling Aluminum Composite Panel including disposal of unserviceable, surplus materials to AAI store as directed by Engineer-In-Charge.	Sq.m	43.40
51	Fixing of column / wall claddings with All thick Aluminum Composite Panel around the column / dead wall at all heights. The rate shall inclusive of tools, scaffolding, cost of weather sealent, gasket, foam, fixtures of all machineries except aluminium frame and all taxes etc., to be carried out by spceialized agency approved by the Engineer-in-charge. (Aluminum Composite Panel shall be supplied by AAI).	sqm	241.80
52	Fixing of column / wall claddings with 3mm thick Aluminum Composite Panel around the column / dead wall at all heights. The rate shall inclusive of tools, scaffolding, cost of weather sealent, gasket, foam, fixtures of all machineries except aluminium frame and all taxes etc., to be carried out by spceialized agency approved by the Engineer-in-charge.	sqm	1186.10
53	Fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (Materials shall be supplied by AAI).	Kg	193.40
54	Rubbing and polishing on S.S.railing all type dia. pipe with hand drill type machine complete in all respect as per satisfaction / direction of Engineer-in-charge.	metre	204.20
55	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (Material shall be supplied by AAI).	Kg	34.20
56	Providing and fixing fencing with G.I. barbed wire 9.38 kg / 100m (min.) fixed with G.I staples or with G.I. binding wire complete (Length of individual G.I.wire will be measured).	metre	17.90

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
57	Providing and fixing precoated galvanised iron plain sheets 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 (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sq.m	1099.70
58	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. a) Made of G.I. wire of dia 3mm	Sq.m	1176.50
59	Providing and fixing PVC nahani trap of size 100 x 75 mm including necessary jointing etc. complete in all respects as per the direction of Engineer-In-Charge.	Each	209.10
60	Supplying and fixing 15mm nominal bore fancy PVC bib cock of approved quality.	Each	235.10
61	Providing and fixing C.I. 100mm dia P-Trap of approved make complete as per direction of Engineer-in-Charge.	Each	397.50
62	Providing and fixing PVC Flush tank handle of approved make complete in all respects as per direction of Engineer-in-charge.	Each	189.40
63	Providing and fixing PVC Flush tank float valve of approved make complete in all respects as per direction of Engineer-in-charge.	Each	289.00
64	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position and complete in all respects as per direction of Engineer-in-charge .(Country wood / vengai / konge / kapur).	Cum	66312.40
65	Providing wood work in frames of false ceiling, partition etc., sawn and put up in position (country wood/vengai) and complete in all respects as per the direction of Engineer-in-charge.	Cum	55664.30
66	Supplying and fixing Angle cock (Code No. KUP-CHR-35053PM) or equivalent including fisher bolt and inlet & outlet bush for wall hung E.W.C. pan complete in all respects as per the direction / satisfaction of Engineer-In-Charge.	Each	1284.70
67	Providing and fixing Basin mixer of code -FUS-CHR-29023B jaquar make or equivalent complete in all respects as per the direction of Engineer-in-charge. The rate includes VAT etc.,	Each	2990.40

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
68	Providing and fixing Brass nickel coated inner sets spendel for taps / pillar taps, stop cocks by removing the old and replacing it with new one (jaquar or equivalent) as and when required complete in all respects as per the direction of Engineer-in-charge. The rate includes VAT etc.,	Each	486.80
69	Providing and fixing CP brass Health faucet ALD-CHR-573 of jaquar make or equivalent all complete as per the direction of Engineer-In-Charge. The rate includes VAT etc.,	Each	1143.50
70	Providing and fixing CP brass Health faucet handle only of jaquar make or equivalent all complete as per the direction of Engineer-In-Charge. The rate includes VAT etc.,	Each	930.40
71	Providing and fixing C.P Swan neck pillar cock of approved make Code no:FLR-CHR-5357N (jaquar or equivalent) complete in all respects as per the direction of Engineer-in-charge. a) 15mm nominal bore.	Each	1542.20
72	Providing and fixing Urinal spreader of size approved quality complete in all respects as per the direction of Engineer-in-charge.	Each	628.10
73	Providing and fixing white vitreous china ware half round channel including all pigments, cement, machineries etc., complete in all respects as per the direction of Engineer-in-charge.	Each	746.80
74	Providing and fixing Angular Stop Cock with wall flange of Code No.FUS-29053 of approved make jaquar or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	1092.70
75	Providing and fixing Bib Cock with wall flange of Code No.FUS-CHR-29037 of approved make jaquar or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	1415.50
76	Providing and fixing Wall Mixer with provision for Overhead shower with 115mm long bend pipe on upper side, connecting legs & wall flanges of Code No.FUS-CHR-29273UPR of approved make Hindware or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	4473.30
77	Providing and fixing Pillar Cock Single Lever Tall Boy with 150mm extension body fixed spout with popup waste system with 600mm long braided hoses of Code No. FUS-CHR-29021N of approved make jaquar or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	1999.80
78	Providing and fixing Over Head Shower 100mm dia, round shape single flow (ABS body chrome plated with Grey face plate) with Rubit Cleaning System of Code No.OHS-CHR 1989 with connecting Shower Arm of Code No.477 of approved make jaquar or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	1235.10

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
79	Providing and fixing Shower Arm of Code No.ARS 477 of approved make jaquar or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	570.60
80	Providing and fixing wall-hung with quiet closet (EWC) of code No, softclose seat cover ARS-WHT 39951 (Wall-Hung ARS-WHT -0110B / softclose seat cover WHT-1012UF) of approved make jaquar or equivalent including nuts, bolts and gasket etc., complete in all respect as per the direction of Engineer-in-charge.	Each	12747.10
81	Providing and fixing white vitreous china battery based infrared sensor operated urinal of Hindware Flow No 60021 or equivalent having pre & post flushing with water (250ml & 500ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	Each	11563.80
82	Providing and fixing white vitreous china wash basin made of Hindware Zen cat.no 10049 or equivalent including making all connections but excluding the cost of fittings a)Flat back wash basin of size 560x450 mm	Each	2183.20
83	Providing and fixing Cp Brass Waste Coupling of 32mm size full thread with 130mm height made of Jaquar or equivalent, ALD-CHR-705L130 HSN 74182010 for wash basin and sink. Waste coupling 32 mm dia and 130 mm length	Each	483.20
84	Providing and fixing towel rail made of Jaquar or equivalent, ACN-CHR-1111NM HSR 83025000 complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. a) 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	1354.00
85	Providing and fixing C.P Brass Robe hook made of Jaquar or equivalent, AKP-CHR-35791P HSN74182010 complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.	Each	888.90
86	Providing and fixing SS connection hose with brass unions : a) 45 cm length 15 mm nominal bore ALD-CHR-805B	Each	255.70
87	Providing and fixing C.P. brass 2 way bib cock made of Jaquar or equivalent, OPP-CHR-15041pm HSN-84818020 conforming to IS:8931 ; a)15 mm nominal bore	Each	1512.90
88	Providing and fixing CP bottle trap for wash basin 32mm dia ALD-CHR- 769L 300X190 Jaquar or equivalent complete in all respects as per direction of Engineer-in-charge.	Each	1199.60

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
89	Providing and fixing Polyvinyl Chloride (PVC) pipes, having thermal stability for hot & cold water supply including all PVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work a) 40 mm nominal outer dia Pipes	metre	205.00
90	Providing and fixing Polyvinyl Chloride (PVC) pipes, having thermal stability for hot & cold water supply including all PVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work B) 50 mm nominal outer dia Pipes	metre	234.30
91	Providing and fixing Polyvinyl Chloride (PVC) pipes, having thermal stability for hot & cold water supply including all PVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work C) 63mm nominal bore	metre	282.20
92	Providing and fixing on PVC moulded fittings/ accessories for PVC pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° 50mm dia	Each	69.90
93	Providing and fixing on PVC moulded fittings/ accessories for PVC pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Reducer 110mm to 50mm	Each	116.40
94	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion 50mm Shoe	Each	75.20
95	Providing and fixing 80mm ZOOTO brass ball valve with flange set, bolt & nut, washers etc., complete as per the direction of Engineer-in-charge.	Each	10324.50
96	Providing and fixing sun control Polyester film (Gareware/3M or equivalent) on glass after thorough cleaning of existing surface. The rate includes removal of existing sun control film wherever required. a) Non - Reflective type.	sqm	274.50
97	Providing and fixing sun control Polyester film (Gareware/3M or equivalent) on glass after thorough cleaning of existing surface. The rate includes removal of existing sun control film wherever required. b) Reflective type.	sqm	892.30

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
98	Providing and fixing reflective sticker boards including letters, fixing, pasting complete in all respects as per direction of Engineer-in-charge.	sqm	2343.60
99	Providing and fixing Vinyl Sticker on 3 mm thick foam sheet including cutting and pasting complete in all respects as per the direction of Engineer-in-charge.	sqm	1205.30
100	Providing and fixing Edging (3M) film on glass after thorough cleaning of existing surface. The rate inclusive of removal of existing film wherever required etc., complete in all respects as per the direction of Engineer-In-Charge.	sqm	1361.90
101	Providing and fixing 3M Yellow film on floor after thorough cleaning of existing surface. The rate inclusive of removal of existing film wherever required etc., complete in all respects as per the direction of Engineer-In-Charge.	sqm	2343.60
102	Providing and Fixing of Signage Stickers with lamination on Toilet doors or any other door as per direction of Engineer In-Charge all complete.	sqm	1339.20
103	Providing and fixing Frosted Film as per the direction of Engineer-In-Charge.	sqm	1138.30
104	Providing and fixing Safety Sticker on floor with lamination printed by injet printer all complete as per direction of EIC.	sqm	2343.60
105	Providing and fixing flex banner all complete as per direction of EIC.	sqm	558.10
106	Providing and fixing imported wallpaper material on wall etc all complete as per direction of EIC.	sqm	2008.80
107	Providing and fixing factory made Internal PVC door frame of the size 100mm x 45mm with a wall thickness of 5mm made out of extruded 5mm PVC foam sheet mitre cut at two corner and joined with 02nos of 150mm long brackets of 15 x 15mm MS square tube of 19 gauge through out the frame. The door frame shall be fixed to the wall using 100mmmm long anchor fastener screws through the frame by using PVC fasteners . A minimum of 04nos of screws to be provided for each vertical members and minimum 02 nos for horizontal members etc. complete as per manufactures specification and direction of Engineer- in-charge	metre	666.60

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
108	Providing and fixing of 30mm thick factory made moulded door shutter wood free consisting of frame made out of MS tubes of 19 gauge thickness and size of 25mm X 25mm for stiles, top and bottom rails. MS frame shall have a coat of steel primers, the inner panel shall consist of 25mm thick high density EPS/PUF confirming to IS 4671-1984 bonded with 2mm thick termite proof, water proof and fire resistant moulded PVC sheet with 2,4,6 raised panel design in different plain and/ or prelam colours after routing the moulded design on one side & 2mm plain and/ or prelam PVC sheet on other side of the EPS/PUF. The edge of the panel to be sealed with lipping of 10mm wide PVC sheet Baton(Made by sticking 02nos PVC of 5mm thickness using PVC swolvent cement) and stile sides 25mm(5mm X 5) thick and 30mm width PVC sheet fitted along MS tube for lock provision & for lock height 5mm thick PVC sheet of 150mm X 100mm fixed with upper and lower faces of inner side of EPS panel etc. complete as per manufacturer's specification and direction of Engineer-in-charge.	sqm	3995.70
109	Providing and fixing 8mm thick looking mirror including the Labour charges, Screws, Taxes etc., complete in all respects as per the direction of Engineer-In-Charge.	Sq.m	1586.90
110	Providing and fixing 4mm thick looking mirror including the Labour charges, Screws, Taxes etc., complete in all respects as per the direction of Engineer-In-Charge.	Sq.m	724.30
111	Providing and fixing SS Struds of size 25mm x 50mm all complete as per direction of EIC	Each	167.10
112	Dismantling, Removing and Refixing of toughened glass partition along with removal of toughen glass doors, floor springs etc., after debolting the SS bolts and nuts, SS hold fastner etc., without damaging the dismantled glass materials all as per the direction of Engineer-In-Charge.	Sq.m	2539.80
113	Providing and fixing 12 mm thick frameless toughened glass door shutter, glass partition of approved brand and manufacture including making necessary holes etc. for fixing required spider fittings or any other fitting, all complete as per the direction of Engineer-in-charge.	Sq.m	2375.80
114	Supplying of Silicone SL 801 or equivalent sealant for filling of Glazing partitions, ACP partitions and cutting joints wherever required as directed by the Engineer-in-charge.	Each	124.50
115	Add for Providing and fixing S.S net in wooden frames for windows, ventilators etc.complete in all respects as per the direction of Engineer-in -charge.(wooden frame shall be paid seperately.	Sq.m	1319.40

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
116	Painting of wall with metallic Royal Emulsion paint and Royal final paint as base coat over priming coat as per manufacturer recommendation / specification for interiors paint system to match with the existing spectrum texture surface applied / painted - top coat on walls over a base coat and all as per the specification of manufacturer and the direction of Engineer-In-Charge etc., complete.	Sq.m	646.90
117	Letter writing with synthetic enamel paint of approved brand & made with necessary arrangement in required languages as per approved pattern as per direction & completion, satisfaction of Engineer-in-charge	per letter per cm height	4.90
118	Supply of synthetic enamel paint of approved brand and manufacture to give an even shade:	Litre	245.80
119	Supply of Aluminium sheet stencils for AAI logo height of 450mm and writing "TRESPASSING AND PHOTOGRAPHY PROHIBITED" (OF HEIGHT 100MM FONT BOLD ARIAL) as per the direction of Engineer-in-charge.	Job	2489.30
120	Supplying and filling of Water through tanker lorry of capacity 12000litres to Sump(underground Water Tanks) as per direction of Engineer- in-charge.	Each	2218.10
121	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine. (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge. Let a underground tank of capacity 272000 litre or 272 KL and area of tank is 570sqm (a) Dewater and slit cleaning Considering through pumping 20% of water to be lifted, water discharge $= (272 \times 20 / 100 = 54.40 \text{KL})$ Cost of pumping water with pump of capacity 4000 litres per hours , $= (54.4 / 4 =$ 13.6 hours = @ 8 hours/ day = 1.7 day)	lit	13.90
122	Brick edging laid lengthwise with half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres	rmt	91.90

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
123	Dismantling of Brick / Concrete work/Random Rubble Masonry with Tractor Compressor Breaker Machine which should not be transferred any impact to the existing building to avoid any development of crack etc including stacking of serviceable material and disposal of unserviceable material as per direction of Engineer-in-Charge. (Payment shall be made based on the nos of Hours work at the site).	Hours	1645.30
124	Providing and fixing unplasticized Polyvinyl Chloride (UPVC) pipes, having Minimum wall thickness 5.49 mm (SCH-40), working pressure 9.13 kg/cm ² at 43 degree centigrade, including all UPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step UPVC solvent cement and testing of joints complete as per direction of Engineer in-Charge. Internal work - Exposed on wall 80 mm nominal dia Pipes	metre	733.10
125	Dismantling IWC / EWC of all types (Vitreous China or any other make) including stacking of useful materials near the site and disposal of unserviceable materials outside the periphery beyond 50 m from the site as directed by the Engineer-in-charge.	Each	623.80
126	Providing and laying 20mm thick machine cut and machine polished cuddapah stone having minimum area above 4 sq.ft. in each pieces for wall almirah racks / kitchen slabs etc., over a bed of 20cm thick cement mortar 1:4 (Cement mortar will be paid separately).	Sq.m	862.10
127	Providing and fixing Fiber speed breaker,fixing with necessary fittings screw, bolt etc.whatever required drilling holes in CC/tar road ,providing Adhesive and filling the same to gaps underneath the speed breaker.	Metre	4728.24
128	Supplying and filling M-sand as per the direction of Engineer-in-charge.	Cum	2418.90
129	Providing and fixing of 10mm thick Toughened glass door package with corner Lock and BTS 84 floor Spring, 300mm 'D' Type handle, 10mm clear T/G, Cutout on Glass and making of Holes all complete in all respects as per the direction of Engineer-In-Charge.	Sq.m	29454.20
130	Cuddapah stone slab flooring over 20 mm thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement: 4 Coarse sand / M sand): a) 20 mm thick.	Sq.m	1749.50
131	Providing and fixing bright finished brass 100mm EKRI mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.100mm EKRI Lock	Each	865.50

SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE Rs.
132	Provision of services for day to day maintenance of Plumbing cum pump operator services in AAI premises including necessary Tools as directed by Engineer-In-Charge. (Percentage above / below quoted by contractor will not be applicable on this Item)	Day	1025.00

P. Prabakaran

(R. Prabakaran),
AGM (Engg-Civil).

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