



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



LiFE
Lifestyle for
Environment

No:AAI/TRY/ENGG(C)/MISC. CIVIL WORKS(NIPTB)/24-25/16

Date: 13-06-2024

To

M/s.Tamilan Builders,

38, Rajaganapathy Nagar, II Street, JK Nagar Extension, Trichy - 620 023.

Email: er.rajaramraju@gmail.com, Phone: 0431 - 2553280, Mobile: 98420 22239.

Name of work: Miscellaneous Civil works in New Passenger Integrated Terminal Building at Trichy Airport for F.Y.-2024-25- reg.

Ref: Your e-Bid Ref No.AAI/TRY/MISC. CIVIL WORKS NITB/24-25, Tender ID: 2024_AAI_194246_1 opened on 04-06-2024.

Dear Sir,

1. Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the Percentage rate quoted by you totaling to **Rs.2,32,50,000/- (Including GST 18%)** which is **22.50% (Twenty Two Decimal Five Zero Percentage only)** below the CPWD DSR 2023 Rates & Additional Miscellaneous Items as mentioned in your Price BOQ and the Estimated Cost put to tender of **Rs.3,00,00,000/- (Including GST 18%)**.
2. The Deputy General Manager (Engg-Civil), AAI, Trichy Airport shall be the Engineer-In-Charge of the work. You are requested to attend the office of Deputy General Manager (Engg-Civil) on (or) before 24-06-2024 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. Please deposit Rs.19,70,339/- (Rupees Nineteen Lakh Seventy Thousand Three Hundred and Thirty Nine 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 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 19 on Page No.69 of GCC of tender and rules of Central and State Government.



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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 Senior Manager (Engg-Civil) immediately 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 **06 (Six) months only** and **same shall be reckoned from tomorrow i.e. 14-06-2024.**
9. Any further correspondence in connection with contract should normally be addressed to the Engineer-In-Charge.
10. All Corrigendum, Queries, Clarification etc., raised during e-tendering process and replies thereof including the letter referred above shall also form part of the Agreement.
11. 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,

[Signature]
13/6/24

(R. Ganesan),
Deputy General Manager (Engg-Civil),
For and On Behalf of Chairman,
Airports Authority of India.

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

उप महाप्रबन्धक (इंजीनियरिंग-सिविल), डीएम (Engg-Civil)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
तिरुचिरापल्ली अंतरराष्ट्रीय हवाई अड्डा / Tiruchirappalli International Airport
तिरुचि - 620 007 / Trichy - 620 007.

Validate

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Help

Percentage BoQ

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

Name of Work: Miscellaneous Civil works in New Passenger Integrated Terminal Building at Trichy Airport for F.Y.-2024-25.

Contract No: Tender Ref No: AAI/TRY/MISC. CIVIL WORKS NITB/24-25, Tender ID: 2024_AAI_194246_1

Name of the
Bidder/ Bidding
Firm / Company :

TAMILAN BUILDERS, TRICHY-23

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 #
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	Miscellaneous Civil works in NITB 2024-25					
1.01	Rates applicable for Delhi Schedule of Rates 2023 items (Sub Head-I) + Rates applicable for Additional Miscellaneous Items from 01 to 125 (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 (-)	22.50%	77.50	INR Seventy Eight Only
Quoted Rate in Words	INR Seventy Eight Only					

BILL OF QUANTITY

Name of work: Miscellaneous Civil works in New Passenger Integrated Terminal Building at Trichy Airport for F.Y.-2024-25.

SCHEDULE-A

Item No.	DESCRIPTION OF ITEM	UNIT	RATE RS.
	<u>Sub Head - I - Schedule DSR 2023</u>		
DSR 2023 Item code	All DSR 2023 Schedule items	DSR 2023 Units	DSR 2023 Schedule rates
	<u>Sub Head - II - Schedule Items other than DSR 2023 (Additional Miscellaneous Items - AMI)</u>		
SL. NO.	DESCRIPTION OF ITEM	UNIT	RATE RS.
1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in : a)Cement mortar 1:6 (1 cement : 6 M-sand)	Cum	11254.94
2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level. a)Cement mortar 1:4 (1 cement :4 M-sand)	Sqm	1528.12
3.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	3220.54
3.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) 3mm thick	Sqm	4166.44
3.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. c) 5mm thick	Sqm	6812.97
3.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. d) 8 mm thick.	Sqm	9532.89
3.e	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	13405.63

4	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 M-sand / M sand), including grouting the joints with white cement and matching pigments etc., complete. a) Size of Tile 600x600 mm	Sqm	2142.94
5	Supply of Skilled Plumber for the day with all necessary tools & plants as per the direction of Engineer-In-Charge.(Percentage above / below quoted by contractor will not be applicable on this Item)	Day	Rate of item will be analysed with approved minimum wages prevailing at the time of execution
6	Supply of Skilled Carpenter with all 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 this Item)	Day	Rate of item will be analysed with approved minimum wages prevailing at the time of execution
7.a	Provision of services of unskilled workers for temporary nature of works / works unsuceptible to measure as and when required including necessary T & P. like shifting of store / material, shifting of materials, 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) (Rate of item will be analysed with prevailing approved minimum wages at the time of exectuion)	Day	Rate of item will be analysed with approved minimum wages prevailing at the time of execution
7.b	Provision of services of semi skilled workers for temporary nature of works / works unsuceptible to measure as and when required including necessary T & P., 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) (Rate of item will be analysed with prevailing approved minimum wages at the time of exectuion)	Day	Rate of item will be analysed with approved minimum wages prevailing at the time of execution
8	Providing and operating the Crane of capacity of 12 tonne. for lifting and shifting of heavy materials etc., at the Airport premises including transportation to and from the site of operation fuel charges, Operator 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.)	Per Hour	3080.27

9	Providing and operating Earth moving machine (J.C.B or equivalent). for leveling, cutting and cleaning of vegetation etc., at the Airport premises including transportation to and from the site of operation fuel charges, Operator 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.)	per hour	1921.20
10	Providing and operating the Tipper of capacity 10 cum(Minimum) for transporting the Earth debris 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 days worked at the site). (1day= 8 hours)	per day	11431.91
11	Providing and operating the Carrige vehicle of capacity 3.00Cum for transporting the Earth debris etc., at the Airport premises excluding loading and unloading 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).	per day	5080.85
12	Demolishing of Brick / Concrete work with Demolishing machine along with operator and one helper (BOSCH or equivalent) without damaging the adjacent structures as per direction of Engineer-in-Charge.(Payment shall be made based on the nos of Hours work at the site).	Per hour	706.76
13	Hiring of Welding machine 200Amp along with Skilled welder and one helper 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).	per hour	762.16
14	Hiring of gas cutter or electrical plant along with One fabricator with one helper and to and from transporting at site etc., for cutting Structural steel member (MS) complete in all respects as per the direction of Engineer-In-Charge.	Per hour	800.28
15	Dismantling of Brick / Concrete work/Random Rubble Masonry with Tractor mount air Compressor Breaker Machine along with Operator and one helper without damaging the adjacent structures 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).	Per hour	2516.81
16	Providing and fixing 11 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	1152.95

17	Providing and fixing urinal partition made of 12mm thick solid compact laminate 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. a) Size of Urinal partition - 1195mm x 450mm	Each	5342.42
18	Providing and fixing powder coated telescopic drawer channels 600 mm long with necessary screws etc. complete as per directions of Engineer-in- charge.	Per set	1330.33
19	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.	Sqm	2211.44
20	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.	Sqm	1528.05
21	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	165.13
22	Providing and fixing CP brass Health faucet with connection hose of make Jaquar (ALD-CHR-573) or equivalent all complete as per the direction of Engineer-In-Charge.	Each	1765.37
23	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	2626.53
24	Providing and fixing Urinal spreader of make of Viking or equivalent size approved quality complete in all respects as per the direction of Engineer-in-charge.	Each	648.02
25	Providing and fixing Angle Cock with wall flange of make Jaquar(Code No.FUS-29053) or equivalent including thread, solvent etc., complete in all respect as per the direction of Engineer-in-charge.	Each	1741.71
26	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	2333.74
27	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	3312.25
28	Providing and fixing table top Wash Basin of size 630*425*160mm of Code No.(JDS-WHT-0542 (25901)) of approved make jaquar or equivalent including waste coupling, nuts, bolts and gasket etc., complete in all respect as per the direction of Engineer-in-charge.	Each	7637.05

29	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	23670.43
30	Supplying and fixing of Urinal sensor of make Hindware(Code 506574) or equalant for Urinal Flow Model no 60021 including necessary freight charges etc., complete in all respects as per the direction of Engineer-In-Charge.	Each	8038.94
31	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	3950.29
32	Providing and fixing white vitreous china concealed type water closet HW325 92502 Hindware or equivalent (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 : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	30189.58
33	Providing and fixing white vitreous china concealed type 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :	Each	15201.09
34	Providing and fixing white vitreous china concealed type water closet 92502 Hindware or equivalent (European type W.C. pan) with seat and lid, conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :	Each	18744.97
35	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures of Hindware(Code 20004) or equivalent complete, including cutting and making good the walls and floors wherever required: a) White Vitreous china Orissa pattern I.W.C. pan of size 580x440 mm with integral type foot rests	Each	9224.84
36	Providing and fixing Cp Brass Waste Coupling of dia 32mm 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	738.21

37	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	1994.71
38	Providing and fixing C.P Brass coat 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	1159.55
39	Providing and fixing SS connection hose with brass unions : a) 45 cm length 15 mm nominal bore ALD-CHR-805B	Each	366.56
40	Providing and fixing C.P. brass 2 way bib cock made of Jaquar of catalogue no FUS-CHR-29041 or equivalent, conforming to IS:8931 : a)15 mm nominal bore	Each	2836.11
41	Providing and fixing Toilet paper Roll Holder with Flap of Code No.AKP-CHR-35753PS of approved make Jaquar or equivalent including Bolts, Nuts, Screws etc., complete in all respect as per the direction of Engineer-in-charge.	Each	2064.63
42	Providing and fixing CP bottle trap for wash basin 32mm dia made of Jaquar catalogue no ALD-CHR- 769L 300X190 or equivalent complete in all respects as per direction of Engineer-in-charge.	Each	2147.47
43	Hiring of generator of capacity (10kV) to provide power supply for any kind of fabrication work including of diesel at various locations inside operational area all complete as per the direction of Engineer-In-Charge	Per day	6351.06
44	Providing and fixing Polyvinyl Chloride (PVC) pipes of working pressure of 6kg/Cm ² , 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	333.88
45	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	464.09
46	Providing and fixing of lever operated ball valve of make ZOLOTO or equivalent make of approved quality as directed by Engineer in charge. a) 25 mm nominal bore.	Each	840.38
47	Providing and fixing of lever operated 80mm ZOLOTO brass ball valve with bolt & nut, washers etc., complete as per the direction of Engineer-in-charge.	Each	10303.80

48	Providing and fixing of lever operated 100mm ZOOTO brass ball valve with bolt & nut, washers etc., complete as per the direction of Engineer-in-charge.	Each	22450.98
49	Providing and fixing sun control (Normal) 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	1260.83
50	Providing and fixing sun control (High) 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) Reflective type.	Sqm	1541.01
51	Providing and fixing Vinyl Sticker over 3 mm thick foam sheet etc.. including cutting and pasting complete in all respects as per the direction of Engineer-in-charge.(Rate for vinyl sticker & 3mm foam sheet only)	Sqm	1845.12
52	Providing and fixing frosted (Make 3M or equivalent) film on glass after thorough cleaning of existing surface, complete in all respects as per the direction of Engineer-In-Charge.	Sqm	2596.82
53	Providing and fixing Vinyl sticker (Yellow) of width 100mm of make 3M on floor after thorough cleaning of existing surface complete in all respects as per the direction of Engineer-In-Charge.	metre	166.65
54	Providing and fixing directional strip tactile flooring of stainless steel SS316 Anti-Skid linear grooves with plain bevel edge strips of dimension 280mm x 35mm x 4.5mm (4 nos per sq.ft) including necessary fittings and accessories all complete as per the direction of Engineer - In-Charge.	Sqm	16605.70
55	Providing and fixing warning stud tactile flooring of stainless steel SS316 Anti-Skid concentric circles with plain bevel edge stud of 35mm dia reduced to 25mm x 4.5mm (36 nos per sq.ft) including necessary fittings and accessories all complete as per the direction of Engineer - In-Charge.	Sqm	27285.83
56	Providing and fixing 8mm thick mirror of make saint gobain or equivalent with hard board of 6mm back of the mirror including the Labour charges, Screws, etc., complete in all respects as per the direction of Engineer-In-Charge.	Sqm	2601.18
57	Providing and fixing SS Studs of size 25mm x 50mm all complete as per direction of EIC	Each	248.15

58	Providing and fixing double action hydraulic floor spring of make Dorma (model No.XL-C 1007) or equivalent Floor Spring 90 Degree with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness	Each	14177.72
59	Providing and Fixing corner floor lock EPC both side key - 60mm of make Dorma or equivalent for fixing in Toughened glass door, all complete in all respects as per the direction of Engineer-In-Charge.	Each	3920.12
60	Providing and Fixing "Glass to Glass" Double connector SS 304 of make Dorma or equivalent for fixing in Toughened glass, (XL-C-4008A side connector)all complete in all respects as per the direction of Engineer-In-Charge.	Each	1160.41
61	Providing and Fixing wall/floor to glass single connector SS 304 of of make Dorma or equivalent for fixing in Toughened glass(XL-C-4006A central connector), all complete in all respects as per the direction of Engineer-In-Charge.	Each	984.95
62	Providing and Fixing Pull Handle D - Type, Centre to Centre (CTC) : 300 mm, dia 22 mm, SS 304 of make Dorma or equivalent, all complete in all respects as per the direction of Engineer-In-Charge.	Each	2646.47
63	Providing and fixing bright finished 200 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	Each	4517.55
64	Providing and fixing white vitreous china concealed type water closet Hindware:Essence Neo - 92559 Hindware or equivalent (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 : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : complete in all respects as per the direction of Engineer-In-Charge. W.C. pan with ISI marked white solid plastic seat and lid	Each	40300.46
65	Providing and fixing white vitreous china concealed type water closet Hindware:Essence Neo - 92559 Hindware or equivalent (European type W.C. pan) with seat and lid, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : complete in all respects as per the direction of Engineer-In-Charge. W.C. pan with ISI marked white solid plastic seat and lid	Each	26620.29
66	Providing and fixing CP brass Health faucet with connection hose of make Hindware Cat.No F160112CP or equivalent all complete as per the direction of Engineer-In-Charge.	Each	1699.16

67	Providing and fixing C.P. brass 2 way bib cock make of Hindware of catalogue no F280054CP or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	3022.33
68	Providing and fixing Toilet paper Roll Holder with Flap of Code No.F880003CP of approved make Hindware or equivalent including Bolts, Nuts, Screws etc., complete in all respect as per the direction of Engineer-in-charge.	Each	1441.70
69	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white concealed flushing cistern, including flush pipe, with manually controlled device (flush plate) conforming to IS : 7231, with all fittings and fixtures of Hindware 20042 or equivalent complete, including cutting and making good the walls and floors wherever required: complete in all respects as per the direction of Engineer-In-Charge.a) White Vitreous china Orissa pattern I.W.C. pan of size 580x440 mm with integral type foot rests	Each	21127.37
70	Providing and fixing white vitreous china battery based infrared sensor operated urinal of Hindware Dyna Cat no 60010 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	24455.59
71	Supplying and fixing of Urinal sensor of make Hindware Code: 500964 or equalant for Urinal Dyna Model no 60010 including necessary freight charges etc., complete in all respects as per the direction of Engineer-In-Charge.	Each	6208.97
72	Providing and fixing C.P. brass long body bib cock make of Hindware of catalogue no F280002CP or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	3022.33
73	Providing and fixing C.P. brass single lever concealed diverter of make Hindware of catalogue no F850090 & F360014ACP or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	5204.28
74	Providing and fixing C.P. brass over head rose shower with shower arm of make Hindware of catalogue no F160142 or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	2565.05
75	Providing and fixing C.P. brass bath spout of make Hindware of catalogue no F360009CP or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge.	Each	2565.05
76	Providing and fixing C.P. brass Towel rail of make Hindware of catalogue no F450024 or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge.	Each	2260.21

77	Providing and fixing C.P. brass angle valve of make Hindware of catalogue no F850077 or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	862.96
78	Providing and fixing C.P. brass Sensor operated pillar cock of make Hindware of catalogue no F240001 or equivalent, conforming to IS:8931 : complete in all respects as per the direction of Engineer-In-Charge.	Each	9563.92
79	Providing and fixing of glass fiber mesh of width 150mm, mesh size 5mmx5mm, weight 145gsm for Internal plaster works (Gypsum) at all the joints of concrete to AAC block and MS structure to AAC block surfaces including the cost of materials, labour, tool & plants as approved by Engineer-incharge	metre	14.41
80	Providing and fixing Aluminum composite panel cladding around the columns including circular columns, dead walls, edges of roofs, under side of ceiling, fascia as per technical data at all heights. Aluminum composite panel shall be of approved makes and shades (inclusive of 20% Quantity for stainless steel brushshade) made out of 4mm thick aluminum composite panel comprising of Aluminum Skin of Minimum 0.5mm of 5005 Alloy with KYNAR 500/Hylar 5000 PVDF based fluorocarbon resin and Lead free Coating of approved finish +3mm thick noncombustible mineral based polymer core compliance to A2, s1, d0 As per En13501-1, ASTM E119 and NBC Guidelines 2016 +0.5mm aluminum skin of 5005 Alloy with service coat bond with either Sandwich or co extrusion process. Overall weight of the panel shall not be less than 8 kg per sqm as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone non streaking sealant, backer rods etc. The Aluminum frame work behind ACP panel shall consists of rectangular tube 2mm thick 38 mm X 50 mm as main frame, shall be fixed to existing RCC/MS structure with 6 mm MS galvanized brackets @ 600 mm C/C bothways. Nylon separators to prevent bi-metallic contacts all complete required to be provided. The Contractor shall provide aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per Item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm up to two decimal places. Alumimum frame work behind ACP panel wall shall be paid separately under item no 107 and 6 mm MS galvanized brackets @ 600 mm C/C bothways will be included in this item).	Sqm	5610.71
81	Providing and fixing Bird protection net of make "Garware" thickness 1.5 mm and gap 20mm to the existing steel trusses of the high rised canopy all complete as per direction of Engineer in charge	Sqm	346.47

82	Providing and fixing in position single/double leaf including frames fire check doors with 120 minutes fire rating conforming to BS:476 part 22 & IS : 364 part II of approved make at all levels including all accessories like door closer,panic exit device (single/double leaf),ss ball bearings , vision panel etc., testing and complete in all respect with Prototype Test certificate for a test carried out earlier at CBRI Roorkee /NTH for fire rating of doors including manufactures test certificate as per technical specifications and direction of Engineer-In-Charge. (Note: The cost includes door frames, door shutter , vision panel ,all hardware's, accessories and cost of fire door with frame and all hardware required for laboratory testing and any incidental additional requirements for execution of this item as per technical specifications and complete satisfaction to Engineer- In –Charge, cost of all above shall be treated as included in the item and nothing extra will be paid on this account)	Sqm	13019.67
83	Providing and fixing stainless steel (grade 304) tower bolts of approved make with necessary screws etc. complete. In stainless steel satin / polished finish. 250 x10 mm	Each	424.41
84	Providing and fixing stainless steel finish cylindrical keyless (with an emergency opening option from outside) lock of godrej (Product code 9843) with bolt throw 12mm and backset 60 mm or equivalent as per approved make complete in all respect as per direction of Engineer Incharge. (location: Disabled toilet)	Each	952.69
85	Providing and fixing stainless steel finish cylindrical keyed (with three number of keys for each lock) lock of godrej (Product code 5329) with bolt throw 12mm and backset 60 mm or equivalent as per approved make complete in all respect as per direction of Engineer Incharge.	Each	1433.78
86	Providing and fixing Stainless Steel (grade 304) floor door stoppers in stainless steel satin finish (Twin) of Dorma(TZ-5000)/Hafele make (article no.937.13.53033 or equivalent as per approved make) make with necessary ss screws etc. or approved equivalent make with necessary S.S screws etc. complete as per direction of Engineer in charge.	Each	111.22
87	Providing and laying polythene sheet (white in colour) of thickness 400 micron conforming to IS: 2508, on the PCC with overlaps of not less than 300mm longitudinally and 300mm transversely over and including a base layer of 6mm thick fine sand/M-Sand complete as per specifications and as directed by Engineer-in-charge (Note- Only plan area shall be measured for payment) (Note: This item shall be used under granite flooring on ground floor(without any RCC slab) Item no 77 & 78 and Item no 354)	Sqm	66.35
88	Providing and laying 25 mm thick factory cut mirror polished (pre-polished) superior granite stone tile in flooring of shade Imperial white or White pearl from Tamilnadu or Rajasthan in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings with tile of size 800mm x 800mm of approved shade, color and texture duly factory treated with water proof penetrating shield treatment on bottom surface and four	Sqm	5015.36

sides of the granite stone tile with two or more coats. The treatment shall be carried out as per manufacturer's specification. The tiles shall be supplied to site in packed condition in wooden boxes and laid in approved design and pattern over duly cured and dried 15 mm (average) thick correction layer base of cement mortar 1:4 (1 cement: 4 coarse sand) followed by laying and fixing with white colour stone adhesive of category C2 TE (minimum) in compliance with ISO 13007-1 EN 12004/12002 with average 6mm thickness and jointed with 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including making provisions of expansion joints, rubbing and curing etc. complete at all levels.(As per approved samples available at AAI offices at Delhi). After completion of all activities flooring shall be cover with polyethylene sheet of minimum 200 micron and 10 mm thick plaster of Paris to avoid damage to flooring during other works. At final stage of building work POP & Polythene sheet shall be removed and final cleaning and buffing if any shall be completed to the satisfaction of Engineer-In-Charge. Note :- (i)The process includes cost of granite stone tile including cutting& wastage due to design and patterns in linear as well as curvilinear pattern as per architectural drawings,Pre- polishing, laying with mortar, drying,adhesive , fixing, treatment with Water Proof Penetrating Shield Treatment, grouting joints with epoxy grout ,spacers & covering top surface after all treatment with POP & Polythene sheet etc. and removal of same and thereafter cleaning buffing etc. complete. (ii) At site no cutting/grinding of granite tile is permitted. Edges of the slabs shall be true, square and free from chippings and the surface shall be true and plane otherwise tile shall be rejected and nothing extra shall be payable.		
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89	Providing and laying 25 mm thick factory cut mirror polished (pre-polished) superior granite stone tile in flooring of shade chocolate mahogany or similar dark shade in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings with tile of size 800mm x 800mm of approved shade, color and texture The tiles shall be supplied to site in packed condition in wooden boxes and laid in approved design and pattern over duly cured and dried 15 mm (average) thick correction layer base of cement mortar 1:4 (1 cement: 4 coarse sand) followed by laying and fixing with white colour stone adhesive of category C2 TE (minimum) in compliance with ISO 13007-1 EN 12004/12002 with average 6mm thickness and jointed with 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including making provisions of expansion joints, rubbing and curing etc. complete at all levels.(As per approved samples available at AAI offices at Delhi)After completion of all activities flooring shall be cover with polyethylene sheet of minimum 200 micron and 10 mm thick plaster of Paris to avoid damage to flooring during other works. At final stage of building work POP & Polythene sheet shall be removed and final cleaning and buffing if any shall be completed to the satisfaction of Engineer-In-Charge.Note :- (i)The process includes cost of granite stone tile including cutting& wastage due to design and patterns in linear as well as curvilinear pattern as per architectural drawings,Pre- polishing, laying with mortar, drying,adhesive , fixing, grouting joints with epoxy grout ,spacers & covering top surface after all treatment with POP & Polythene sheet etc. and removal of same and thereafter cleaning buffing etc. complete. (ii) At site no cutting/grinding of granite tile is permitted. Edges of the slabs shall be true, square and free from chippings and the surface shall be true and plane otherwise tile shall be rejected and nothing extra shall be payable.	Sqm	4256.50
90	Extra over and above of Item no 88 & 89 for Leathered finishing of polished granite stone as per approved by Engineer in charge., complete at all levels to complete satisfaction of Engineer-In-Charge.	Sqm	254.04
91	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine in RCC Slabs, Apron, to introduce to fix the Insert /base plates including fixing the fastner in position as approved make all complete as per direction of Engineer-In-Charge. Fisher Anchor Fasteners M16x140	Each	523.32
92	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine in RCC Slabs, Apron, to introduce to fix the Insert /base plates including fixing the fastner in position as approved make all complete as per direction of Engineer-In-Charge. Fisher Anchor Fasteners M16x180	Each	599.54
93	Providing and fixing Vinyle film on glass after thorough cleaning of existing surface, complete in all respects as per the direction of Engineer-In-Charge. VINYL STICKERS - AIR SIDE & CITY SIDE	Sqm	3116.19

94	Providing and operating the Boom Lift of Size 45 feet / 60 Feet for work at more than 5.0 Mtrs height area for painting works, vinyl stickeering works etc., at the Airport premises excluding loading and unloading 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. JLGt 45ft	Day	8196.18
95	Supply and stacking ROTO moulded pot from Harshdeep (DURO 60) with 60cm upper dia, 44.5cm lower dia and 47cm height etc. complete as per the direction of officers in charge.	Each	2404.83
96	Supply and stacking ROTO moulded pot from Harshdeep (DURO 70) with 70cm upper dia, 55cm lower dia and 55cm height etc. complete as per the direction of officers in charge.	Each	3604.18
97	Supply and stacking ROTO moulded pot from Harshdeep (DURO 80) with 80cm upper dia, 60cm lower dia and 62cm height etc. complete as per the direction of officers in charge.	Each	5057.93
98	Supply and stacking ROTO moulded pot from Harshdeep (CUBO 40) with 40X40cm TOP and 37cm height etc. complete as per the direction of officers in charge.	Each	2077.74
99	Supply and stacking ROTO moulded pot from Harshdeep (CUBO 50) with 50X50cm TOP and 45cm height etc. complete as per the direction of officers in charge.	Each	3277.08
100	Supply and stacking ROTO moulded pot from Harshdeep (CUBO 60) with 60X60cm TOP and 53cm height etc. complete as per the direction of officers in charge.	Each	4621.79
101	Supply and stacking ROTO moulded pot from Harshdeep (CUBO 70) with 70X70cm TOP and 65cm height etc. complete as per the direction of officers in charge.	Each	7674.66
102	Flex covering - Providing and fixing non-lit 1" frame with flex with standee where ever it is required in NITB including all fixing, transport charges, etc. as per direction of Engineer-In-Charge.	Sqm	1190.17
103	Supply and positioning of Rubber Hallow Foot mat durable PVC strong rubber material color black, anti slip action backing of rectangular shape 1.50 Mtr X 1.0 Mtr and 20 mm Thickness for Water Coolers at NITB as per direction of Engineer In Charge.	Each	3334.30
104	Supply of 25 mm dia hose PVC pipe of silver flex DL Zebra for watering of NITB as per directions of Engineer In Charge.	metre	51.30
105	Supply of SS Sink (CARYSIL QUADRO SS Single Bowl with DB 40x20x9) with Drain board etc. complete as per the direction of Engineer in charge.	Each	14535.29
106	Supply of SS Sink (CARYSIL ELAGANCE SS Single Bowl 21x18x9 Matt) etc. complete as per the direction of Engineer in charge.	Each	4664.10

107	Supply of Toilet Paper Roll Holder of Code No. CAN-CHR-1151N of approved make Jaquar including Bolts, Nuts, Screws etc., complete in all respect as per the direction of Engineer-in-charge.	Each	792.27
108	Supply of Toilet Soap Dispenser of Code No. CAN-CHR-1137N of approved make Jaquar including Bolts, Nuts, Screws etc., complete in all respect as per the direction of Engineer-in-charge.	Each	3783.72
109	Supply of Toilet Looking Mirror of Code No. 00324-AKP-CHR-35795 of approved make Jaquar including Bolts, Nuts, Screws etc., complete in all respect as per the direction of Engineer-in-charge.	Each	3732.59
110	Supply of Toilet Towel Ring of Code No. 00222-AKP-CHR-35721p of approved make Jaquar including Bolts, Nuts, Screws etc., complete in all respect as per the direction of Engineer-in-charge.	Each	2147.52
111	Supplying of Health faucet with connection hose of make Jaquar Cat.No 00362-ALD-CHR-557 all complete as per the direction of Engineer-In-Charge.	Each	1763.23
112	Supplying of PCT EWC of make Hindware Cat.No 70002 SW all complete as per the direction of Engineer-In-Charge.	Each	42823.90
113	Supplying of EWC of make Jaquar Cat.No ITS-WHT-89953(Rimless W.Hung WC Bidspa Seat, APC-WHT-5012500WS Pnumatic Single piece, ACP-CHR-5012505 Pnumatic Control Plate) all complete as per the direction of Engineer-In-Charge.	Each	53764.38
114	Supplying of Sink Cock for SS Sink in VIP Pantry room of make Jaquar Cat No.FLR-CHR-5357SD with PLATO CONN HOSE 15x600 mm all complete as per the direction of Engineer-In-Charge.	Each	3218.59
115	Supplying of Wall Hung Urinal with sensotronic equipment of make Jaquar Cat No.00165-URS-WHT-13253N Rinal and SNR-STL-51083 all complete as per the direction of Engineer-In-Charge.	Each	16668.83
116	Providing and fixing C.P. brass 2 way bib cock make of Jaquar of catalogue no 00383-KUP-CHR-35041PM, complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	2734.19
117	Providing and fixing C.P. brass Angle cock make of Jaquar of catalogue no 00039-KUP-CHR-35053PM, complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	1686.80
118	Providing and fixing C.P. brass Bib cock make of Jaquar of catalogue no 00257-KUP-CHR-35037PM, complete in all respects as per the direction of Engineer-In-Charge. a)15 mm nominal bore	Each	2249.79

119	Supply of Prime sensor Pillar Cock with Bottle trap and waste coupling of Jaquar make of Code No. SNR-CHR-35019PMKUBIX Prime Sensor,00185-ALD-CHR-769L300x190 Bottle Trap and 0020-ALD-CHR-705ft Waste coupling complete in all respect as per the direction of Engineer-in-charge.	Each	12988.44
120	Supply of Indian Orissa WC Pan with Wall Hung Cistern and P Trap of Code No.ECS-WHT-451 Orissa Pan,ESH-WHT-184NL Wall Hung Cistern 21-ECSWT OPK Ptrap of approved make Jaquar complete in all respect as per the direction of Engineer-in-charge.	Each	3690.06
121	Supply of Toilet Hand Shower and Over Head Shower 03-HCH-CHR-1655 Maze Hand Shower,00043-OHS-CHR-1989 Shower of approved make Jaquar complete in all respect as per the direction of Engineer-in-charge.	Each	3630.33
122	Supplying of Sqaure Type Shower of make Jaquar Cat.No OHS-CHR-1679 MAZE PRIME SQUARE SHAPE, 00326-ALD-CHR-683 AQUAMAXT C.Body Thermos, KUP-CHR-35683 KPM EXPO Part, SPJ-CHR-35429PM Spout all complete as per the direction of Engineer-In-Charge.	Each	76440.87
123	Providing and fixing Ist quality vitrified wall tiles (thickness to be specified by the manufacturer), of approved make, in all colours, shades 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 M sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	2210.98
124	Providing and fixing glazing in aluminium 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 aluminium snap beading shall be paid in basic item): With Toughened glass panes of 8.0 mm thickness	Sqm	3430.51
125	Supply of rectro reflective sticker of make 3M or equivalent in required colours as per the direction of Engineer-In-Charge. - 50 mm width reflective sticker	metre	312.47

1. The payment of items shall be regulated as below:

- a. Schedule of Rates as per DSR 2023 items and Additional Miscellaneous Items (Subhead I and Subhead II)

Rate of Item as per Schedule = X

- b. Rate to be considered for payment: = $(X / 1.2127) \times (100 \pm \text{Quoted Percentage Rate})$

100

- c. The applicable GST will be paid extra.

DGM (Engg-Civil)