



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संदर्भ सं: भाविप्रा/अयोध्या/इंजी(सि)/मिसि०/2024-25/कार्य-आदेश संख्या-06

दिनांक: 10.06.2024

Ref: AAI/AYO/ENGG(C)/Misc./2024-25/W.O. No-06/44

Date: 10.06.2024

सेवा में/To,

मैसर्स जमन लाल

M/s Jaman Lal,

582 अ, कानपुर रोड, नियर मौसम विभाग, नई बेहेसा,

582 A, Kanpur Road, Near Mausam Vibhag, New Bèhesa,

जिला – लखनऊ, उत्तर प्रदेश -266012

Distt. – Lucknow, Uttar Pradesh 266012

M.No. 9810092352, 8377931181

E-mail- lal_jaman@yahoo.com

विषय: अंतराष्ट्रीय वाल्मीकि हवाई अड्डे में नवनिर्मित टर्मिनल भवन और अन्य क्षेत्रों में यात्रियों की सुविधा के लिए विविध सिविल और इलेक्ट्रिकल कार्य।

Sub: Miscellaneous Civil Works for facilitation of passengers at Newly Constructed Terminal Building and other areas at MVI Airport, Ayodhya.

संदर्भ: आपकी ई-निविदा 05.06.2024 को खोली गई

Ref.: Your e-Tender was opened on 05.06.2024

महोदय / Sir,

1. उपरोक्त कार्य के लिए आपका ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप के द्वारा उद्धृत मद दर जिसकी कुल राशि रु. 1,71,52,050.00 (रुपये एक करोड़ इकहत्तर लाख बावन हजार पचास मात्र) (जीएसटी अतिरिक्त) जो कि निविदा की लागत रु. 2,38,10,069.00 से 27.96 % कम है, स्वीकृत किया जाता है।

Your E-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rate quoted by you totaling to Rs. 1,71,52,050.00 (Rupees One Crore seventy-one lakh fifty-two thousand fifty only) (GST exclusive) which is 27.96 % below the estimated cost put to tender of Rs. 2,38,10,069.00

2. सहायक महाप्रबंधक, (अभि.- सिविल), भारतीय विमानपत्तन प्राधिकरण, महर्षि वाल्मीकि हवाई अड्डा अयोध्या इस कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु इस पत्र के जारी किए जाने के 15 (पन्द्रह) दिनों के भीतर सहायक महाप्रबंधक, (अभि.- सिविल), भारतीय विमानपत्तन प्राधिकरण, महर्षि वाल्मीकि हवाई अड्डा अयोध्या के कार्यालय में उपस्थित हों। संविदा करार रु 100/- (सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Asstt.General Manager Engg (C), AAI, Maharishi Valmiki Ayodhya Airport, Ayodhya shall be the Engineer-in-Charge of the work. You are requested to attend office of Asstt.General Manager Engg (C), AAI, Maharishi Valmiki Ayodhya Airport within 15 (Fifteen) days from the date of issue of this letter, 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. कृपया इस पत्र के जारी होने के 10 दिन में सुरक्षा जमा के लिए रु 17,15,205.00 (रुपये सत्तरह लाख पंद्रह हजार दो सौ पाँच केवल) जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा दस्तावेज के पृष्ठ जीसीसी-23 पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs. 17,15,205.00 (Rupees Seventeen lakh fifteen thousand two hundred five only) towards Security Deposit within 10 (Ten) days from the date of issue of this letter, failing which, the same will be deducted from your running bill as per condition of Clause no. 1A on page GCC-23 of the Contract document.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन केन्द्रीय नियमावली 1971, अधिन, केन्द्रीय और राज्य सरकार के न्यूनतम मजदूरी अधिनियम और ई.पी.एफ.एक्ट, 1952 एवं ई. एस. आई. एक्ट नियमों का पालन करें।

You are requested to comply with provision of Contract Labour (Regulation and Abolition) Act of 1970 and contract (Regulation and Abolition) Central rules 1971, Minimum Wages Act & Rules, EPF Act, 1952 and ESI act thereof Central & State Governments.

5. आपको निर्देश दिए जाते हैं कि प्रबंधक, (अभि.- सिविल), भारतीय विमानपत्तन प्राधिकरण, अयोध्या हवाई अड्डा से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल सुपेर्द करने की व्यवस्था करेंगे।

You are also directed to contact Manager (Engg-C), AAI, Ayodhya Airport immediately who will arrange to hand over the site to you.

6. कृपया ध्यान दें कि कार्य को करने के लिए अनुमत समय 06 (छः) महीना होगा जो की इस पत्र के जारी होने के बाद 10 वें दिन या वास्तविक तिथि, जो भी पहले हो, से शुरू हो जाएगा।

Please note that the time allowed for carrying out the work shall be 06 (Six) Months and the same shall be reckoned from the 10th day after issue of this letter or actual date of start whichever is earlier.

7. संविदा के संबंध में आगे किया जाने वाला पत्राचार समान्यतः इंजीनियर प्रभारी से किया जाए।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.

8. कृपया इस पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दुसरी प्रति पर स्वीकारोक्ति के रूप विधिवत हस्ताक्षर करके हमें वापस भेजें।

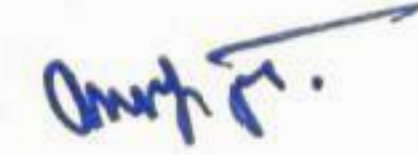
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found, then English version will be taken as correct.

धन्यवाद/ Thanking you.

भवदीय / Yours faithfully,



(अनूप गुप्ता)/(Anoop Gupta)

सहायक महा प्रबंधक (अभि. - सिविल)

Assistant General Manager Engg (C),

भा.वि.प्रा., एम्.वी.आई. अयोध्या हवाई अड्डा, अयोध्या

AAI, M.V.I. Ayodhya Airport, Ayodhya

संलग्न / Encl: 1. अनुसूची "A" / Schedule "A"

Schedule "A"

Name of Work: Miscellaneous Civil Works for facilitation of passengers at Newly Constructed Terminal Building and other areas at MVI Airport, Ayodhya

Sl.No	Description of Work / Item(s)	Qty	Units	Rate	Amount
1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : a) All kinds of soil i) Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	25.00	Mtr.	150.00	3750
2	Excavating, Supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete	800.00	Cum	200.00	160000
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a) All kinds of soil.	250.00	Cum	70.00	17500
4	1:4:8 (1 cement : 4 coarse sand (zone-iii) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	390.00	Cum	3600.00	1404000
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-iii) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	60.00	Cum	5700.00	342000
6	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-iii) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	10.00	Cum	5700.00	57000
7	Providing, hoisting and fixing , up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-iii) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	25.00	Cum	5700.00	142500
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level . (a) Thermo-Mechanically Treated bars of grade Fe-500D or more	4000.00	Kg	78.00	312000
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. a) Thermo-Mechanically Treated bars of grade Fe-500D or more.	500.00	Kg	78.00	39000
10	Centering and shuttering including strutting, propping etc. and removal of form for a) Foundations, footings, bases of columns, etc. for mass concrete	100.00	Sqm	196.00	19600
11	Centering and shuttering including strutting, propping etc. and removal of form for b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	100.00	Sqm	350.00	35000
12	Centering and shuttering including strutting, propping etc. and removal of form for (c) Lintels, beams, plinth beams, girders, bressumers and cantilevers	100.00	Sqm.	350.00	35000
13	Centering and shuttering including strutting, propping etc. and removal of form for (d) Columns, Pillars, Piers, Abutments, Posts and Struts	100.00	Sqm.	350.00	35000
14	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: A) Cement mortar 1:6 (1 cement : 6 coarse sand)	75.00	Cum	6000.00	450000

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15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : a)Cement mortar 1:6 (1 cement : 6 coarse sand)	25.00	Cum	6000.00	150000
16	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	50.00	Sqm	700.00	35000
17	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	10.00	Cum	5800.00	58000
18	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.a) Granite stone slab of colour black, Cherry/Ruby red a) Area of slab over 0.50 sqm	25.00	Sqm	2300.00	57500
19	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	50.00	Sqm	700.00	35000
20	Welding by gas or electric plant including transportation of plant at site etc. complete.	1000.00	cm	3.70	3700
21	Providing and fixing stainless steel (Grade 304) railing / Frame 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/Frame 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, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	500.00	Kg	450.00	225000
22	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete at all height(upto 15 mtrs). Electric resistance or induction butt welded tubes (Scaffolding included in item)	12000.00	Kg	95.00	1140000
23	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1200.00	Kg.	95.00	114000
24	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). a) Light shade pigment using white cement	50.00	Sqm	800.00	40000
25	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). a)Size of Tile 600x600 mm	50.00	Sqm	800.00	40000

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26	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). a)Size of Tile 800x800 mm	50.00	Sqm	1200.00	60000
27	Grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.	100.00	Sqm	13.30	1330
28	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	300.00	Sqm	2200.00	660000
29	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 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.	650.00	Sqm	600.00	390000
30	Providing and fixing pre-coated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	30.00	Metre	500.00	15000

Signature

31	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 x1.6 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. 8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm, of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.	250.00	Sqm	1350.00	337500
32	12 mm cement plaster of mix :a)1:6 (1 cement: 6 coarse sand)	200.00	Sqm	180.00	36000
33	Finishing walls with water proofing cement paint of required shade :a) New work (Two or more coats applied @ 3.84 kg/10 sqm)	100.00	Sqm	60.00	6000
34	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	200.00	Sqm	80.00	16000
35	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : (a) Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	400.00	Sqm	90.00	36000
36	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	100.00	Sqm	80.00	8000
37	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	50.00	Sqm	98.00	4900
38	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challoes, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made one time only irrespective of duration of scaffolding.	1000.00	Sqm	150.00	150000
39	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	50.00	Sqm	80.00	4000

Agtr

40	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	50.00	Cum	200.00	10000
41	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. (a) Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	20.00	Cum	800.00	16000
42	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. (b) Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	5.00	Cum	800.00	4000
43	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. a) For thickness of tiles 10 mm to 25 mm	25.00	Sqm	40.00	1000
44	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. a) In cement mortar	5.00	Cum	1000.00	5000
45	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	5000.00	Sqm.	50.00	250000
46	Providing and laying design mix cement concrete of M-35 grade/Characteristic Flexural strength of 4.1 Mpa , in roads/taxi tracks/runways, using cement content (OPC 43/53 grade) as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-35/Characteristic Flexural strength of 4.1 Mpa is @ 367 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately based on Tax invoice of cement i/c GST only nothing extra will be provided besides this.	275.00	Cum	6200.00	1705000
47	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5 mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	25.00	Cum	6400.00	160000
48	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. a) 1 mm thick	40.00	Sqm	500.00	20000

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49	Cleaning of existing expansion joints and providing & filling with polysulphide joint sealing compound (confirming to grade BS:5212, Part-I, 1990) of Dr. Fixit /Choksey or equivalent including painting the side of slab with approved primer(RLD- 942 of Choksey/105 of DS Brown or equivalent and filling the groove 25 mm or more in width as per actual joint width status at site x 45mm deep (inc. of backer rod depth) including inserting the backer rod of Supreme or equivalent of appropriate dia (minimum 30mm or more as per actual joint width status at site) of approved make to receive the specified sealing compound, providing and applying bond breaking tape on top edges of joint to prevent accidental spillage of sealant on top surface and to give a neat finish to the sealant has been applied and tooled, all complete as per specification and direction of EIC.	50.00	mtr	200.00	10000
50	Cleaning of existing dummy/construction joints and providing & filling with polysulphide joint sealing compound (confirming to grade BS: 5212, Part-I, 1990) of approved make Dr. Fixit/Choksey or equivalent including painting the sides of slab with approved primer and filling the groove 10mm or more in width as per actual joint width status at site x 25mm deep (inc. of backer rod depth) including inserting the backer rod of Supreme or equivalent of appropriate dia minimum 12mm or more, of approved make to receive the specified sealing compound, providing and applying bond braking tape on top edges of joint to prevent accidental spillage of sealant on top surface and to give a neat finish to the sealant has been applied and tooled, all complete as per specification and direction of EIC.	250.00	mtr	70.00	17500
51	Extra for Joint cutting in required Depth and Width with Joint cutting machine in Pavement Concrete for Expansion,Dummy and Construction Joint all complete as per Satisfaction Of EIC.	250.00	mtr	50.00	12500
52	Supply of SW-CRETE T-01 or equivalent high performance fast setting repair compound for full depth, distress and other distress in pavement concrete with graded aggregates. Material should be self-flowing having compressive strength 4 hrs.-20MPA, 1 day - 40 MPA, 28 days - 50MPA, pull strength after - 28 days- 2.0 MPA, (minimum) Expansion Rate-0.1% (maximum) should accept traffic within Three hours as per specifications and directions of Engineer-in-Charge	50.00	kg	50.00	2500
53	Laying of SW-CRETE T-01 or equivalent high performance fast setting repair compound for full depth, distress and other distress in pavement concrete with graded aggregates. Material should be self-flowing having compressive strength 4 hrs.-20MPA, 1 day - 40 MPA, 28 days - 50MPA, pull strength after - 28 days- 2.0 MPA, (minimum) Expansion Rate-0.1% (maximum) . Rate inclusive of marking, cutting the old concrete, chiseling for required width & depth, compressed air cleaning, high pressure air/ water jet cleaning, mixing of Swcrete-T01 with aggregates 20mm & 10mm in machine, pouring, finishing texturing cutting the joints, etc. all complete to accept traffic in 3 hrs. after pouring as per specifications and directions of Engineer-in-Charge. Note: a) Rate Excluding material cost for SW CRETE- T01 B) Rate Includes the material aggregate cost for graded aggregates of 10mm (and below) and 20mm.	50.00	kg	100.00	5000
54	Supply of SW-CRETE T-02 or equivalent high performance thin layer rapid repair compound. Material should be self-flowing having compressive strength after 2 hrs. 20MPA after 1 day - 30 MPA after 28 days 50 MPA. Pull strength after 28 days - 1.0 MPA. (Minimum) Expansion rate 0.10%. (maximum). Curing time should be 2 hrs. to accept traffic as per specifications and directions of Engineer-in-Charge.	500.00	kg	100.00	50000

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55	Laying of SW-CRETE T-02 or equivalent high performance thin layer rapid repair compound. Material should be self-flowing having compressive strength after 2 hrs. 20MPa after 1 day - 30 MPA after 28 days 50 MPA. Pull strength after 28 days - 1.0 MPA. (Minimum) Expansion rate 0.10%. (maximum) . Rate inclusive of milling the old surface area for required depth & matching with the existing profile, cleaning with compressed air, high pressure water jet cleaning, mixing of SW-CRETE T-02 in machine, pouring, finishing, texturing, curing time should be 2 hrs. to accept traffic as per specifications and directions of Engineer-in-Charge. a) Rate Excluding material cost for SW CRETE- T02	500.00	kg	50.00	25000
56	Painting of Perimetre road/Car park or other markings of any size, colour and length i/c letter & numeral markings with cold applied water based non-reflective paint conforming to IS-164 with Clear edges and cleaning of the area to be painted of all dirt, dust, stains, oily substances and other foreign material as and when required all complete as per specifications and direction of Engineer-in-Charge. New work (Two or more coats)	30.00	sqm	60.00	1800
57	Providing and laying common burnt clay F.P.S (non modular) bricks of class designation 7.5 laid in required pattern (height 115 mm-Kharanja pattern) over and including 25 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	2200.00	sqm	490.00	1078000
58	Providing making & Placing in position Counter Table,Shutters,office Cabinet with Commercial ply/Commercial board (Make:Tiger,Adventure or equivalent) etc cut to required size and making provisions as required all complete as per drawing and satisfaction of EIC.Item includes labour charges ,screws,nails and other necessary material required to execute the work but excluding the cost of material and labour charges for Laminate,hinges,locks,telescopic channels,Magnets,handles,bidding and painting work to all unexposed area and will be paid separately.Measurement will be actual area/size of the material used. a)25 mm Block Board	100.00	sqm	1300.00	130000
59	Providing making & Placing in position Counter Table,Shutters,office Cabinet with Commercial ply/Commercial board (Make:Tiger,Adventure or equivalent) etc cut to required size and making provisions as required all complete as per drawing and satisfaction of EIC.Item includes labour charges ,screws,nails and other necessary material required to execute the work but excluding the cost of material and labour charges for Laminate,hinges,locks,telescopic channels,Magnets,handles,bidding and painting work to all unexposed area and will be paid separately.Measurement will be actual area/size of the material used. a)18 mm Ply Board	250.00	sqm	1000.00	250000
60	Providing making & Placing in position Counter Table,Shutters,office Cabinet with Commercial ply/Commercial board (Make:Tiger,Adventure or equivalent) etc cut to required size and making provisions as required all complete as per drawing and satisfaction of EIC.Item includes labour charges ,screws,nails and other necessary material required to execute the work but excluding the cost of material and labour charges for Laminate,hinges,locks,telescopic channels,Magnets,handles,bidding and painting work to all unexposed area and will be paid separately.Measurement will be actual area/size of the material used. a)12 mm Ply Board	100.00	sqm	800.00	80000

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61	Providing making & Placing in position Counter Table,Shutters,office Cabinet with Commercial ply/Commercial board (Make:Tiger,Adventure or equivalent) etc cut to required size and making provisions as required all complete as per drawing and satisfaction of EIC.Item includes labour charges ,screws,nails and other necessary material required to execute the work but excluding the cost of material and labour charges for Laminate,hinges,locks,telescopic channels,Magnets,handles,bidding and painting work to all unexposed area and will be paid separately.Measurement will be actual area/size of the material used. a)6 mm Ply Board	50.00	sqm	400.00	20000
62	Providing and fixing SS butt hinges with necessary SS screws etc. complete.a) 75x40x2.5 mm	50.00	Nos	47.00	2350
63	Providing and fixing 2nd class teak wood beading of size 25X6mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.	75.00	Mtr	40.00	3000
64	Providing and fixing 2nd class teak wood beading of size 18X6mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.	50.00	Mtr	40.00	2000
65	Providing and fixing special quality chromium plated brass cupboard locks with multi levers of approved quality including necessary screws etc. complete.	40.00	Nos	800.00	32000
66	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.a)Double strip vertical type	50.00	Nos	24.00	1200
67	Providing and fixing powder coated telescopic drawer channels 380 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.	25.00	Nos	250.00	6250
68	Providing & Fixing decorative high pressure laminated sheet(Make: Sunflower,Ogan or equivalent) 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. a) 0.8 mm thick	50.00	Sqm	400.00	20000
69	Providing Electric Boom Lift with operator, maintenance, fuel etc including transportation to site all complete as per direction of EIC. Boom shall be minimum 23 Mtrs. (Make - Spider BMLDESS23 or equivalent) Note: 01 Day shall be considered as 08 hours working.	30.00	Day	9000.00	270000
70	Providing and fixing roller blinds with Sun and UV Protection, Airflow Design, Light Filtering etc of required colour and shade with headrail i/c all accessories required for vertical movement of blinds like top channel, strings, installation brackets etc as per manufacturers specifications required for smooth functioning of blinds in all respect & satisfaction of Engineer-in-charge. (Area of measurement will be extreme dimension of fully opened blind only.)	50.00	Sqm	1000.00	50000
71	Providing Engineering Consultancy services for a.)Canopy /Shed design/drawing detail at Operational gates /Substation area/BMA etc. Note:-Consultant to provide all details wrt material specification, design, drawing and Shop drawings etc wherever necessary. All design calculations/drawings are to be vetted by NIT/IIT.During execution any other drawings related to above specified works essential for successful execution of works etc all complete as per satisfaction of EIC. Nothing Extra will be paid on account of visit of Consultant and his supervision work as and when required.	1.00	1 Job	80000.00	80000
72	Providing and laying polythene sheet 400 micron thick conforming to IS:2508 as antifriction layer over 6 mm thick bed of fine sand on the base course complete as per specification with minimum overlap of 75 mm longitudinally and 75 mm transversely all complete as per specification and direction of Engineer-in-Charge. (Only plan area is to be measured for payment)	1200.00	Sqm	54.00	64800

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73	Providing and laying in position for expansion joint, 25mm thick pre-cut Synthetic joint filler board of approved make conforming to IS: 1838 (Part-3)-2011, 45mm from top (to be removed at the time of filling of Polysulphide sealant), complete as per particular specifications and direction of Engineer-in-Charge. (Note:- Mode of measurement shall be length of joint multiplied by depth of filler board including pre-cut portion).	10.00	Sqm	600.00	6000
74	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutti of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in- Charge. a) 80 mm thick CC paver block of M35 Grade with approved colour design and pattern.	1650.00	Sqm	800.00	1320000
75	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge. 16.46.1 Using grade 'A' sealing compound conforming to IS: 1834.	30.00	Metre	7.00	210
76	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : a) For fixed portion i) Powder coated aluminium (minimum thickness of powder coating 50 micron)	250.00	Kg.	450.00	112500
77	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : a) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) i) Powder coated aluminium (minimum thickness of powder coating 50 micron)	100.00	Kg.	450.00	45000
78	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): a) With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	30.00	Sqm	1200.00	36000
79	Painting AAI logo of size 450 x 750mm (logo shall be painted in blue colour as per drawing) on AAI perimeter boundary wall with synthetic enamel paint of approved brand of required colour to give an even shade using cutting stencil of acrylic sheet , all complete as per satisfaction and direction of Engg-in-charge. Note:- After completion of work one stencil of acrylic sheet of 12mm thick in good condition to be submitted to AAI and nothing will be paid extra on this account.	600.00	Each	60.00	36000

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80	Fabrication and manufacturing of solid precast concrete element with provisions of shear keys, connecting loops, dowel tubes and proper lifting accessories for walls, beams, slabs, stairs, column etc, of various thickness, shape and size of different concrete grades manufactured in controlled factory environment with approved methodology including moulds (Pallet system, Tilts form, table moulds, battery moulds, vertical moulds, beam moulds, column moulds, staircase moulds, Facade mould, etc.), mixing, transporting and placing of concrete, vibrating, curing, finishing, making necessary cutout/holes of required sizes for services, yard handling & stacking all complete as per IS 11447:1985 and as per approved shop drawings and design mix as per the direction of Engineer-in-Charge (Cost of reinforcement, Mechanical, Electrical and Plumbing inserts will be paid separately). a) Concrete grade M-35 (Cement content 370 kgs)	40.00	Cum	17000.00	680000
81	Providing & laying in position Prestressing steel strands (low relaxation) on hollow core bed by using mechanical pulling arrangement like Rabbit/ Bed master including all accessories for Stressing & destressing operations as per approved make conforming to IS 1343 & grade FY-1860 etc, complete as per drawings and direction of Engineer -in-charge.	1200.00	Kg	100.00	120000
82	Transportation of Precast Elements by flat bed Tractor (Double / Triple axle 40ft Length with proper accessories like A frame etc) from factory, including the cost of loading , unloading & stacking at site with the help of required capacity cranes. a) Lead within 15km	100.00	MT	340.00	34000
83	Add/Deduct over item 82 for every additional lead of 5 km and part thereof.	3300.00	MT	70.00	231000
84	Erection & Installation of Precast/Prestressed Concrete elements in correct & final position with proper line level and plumb at site making all arrangements (i.e cranes, push-pull jacks & all another T & P for lifting Placing & Alignment of elements, within erection tolerance as per IS 15916 as per approved shop drawings and all complete as per the direction of Engineer-in-Charge but excluding the cost of supports, non shrink grout and steel works i.e hangers. All work up to fifth floor. a) Solid concrete wall elements	40.00	Cum	2000.00	80000

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85	Providing Design, Detailed Engineering, Supply, Fabrication, Erection, Installation and placing in position of Architectural Membrane Primary MS Steel Structure Work. The Structure Fabrication should confirm to the manufacturer's standard specialized in fabrication and erection of structures sheet. Using Min 210 MPa Yield Strength Mild Steel built up tubular trusses (Plates, CHS/ RHS/ SHS ERW M.S. tube as per Indian Standards and as per approved specifications Make ISI Marked with MTC Certificate.) including cutting, hoisting fixing in position. Such as Structure are welded and bolted including special shaped washers etc complete. Hot Finished welded type tubes in Complete and direction of Engineer-In-Charge. MS ERW CHS Pipes as per specification under "IS 1239 (Part-1, 2004), YST 210"; SHS/RHS Pipes as per specification under "IS 4923 (2009), YST 210 MPa" and MS Plate as per specification under "IS 2062, YST 210 MPa". Steel Qty. as per Final Design & Approved drawings. Make APOLLO/JINDAL/BHUSHAN/TATA/SAIL/ISI Mark & Equivalent. Providing and Applying the complete structure to be Two Coat of Enamel Paint over one coat of Red Oxide primer in required DFT of (dense film thickness) for each coat in total DFT of 60 microns. The work is to be executed as per technical specification and direction of Engineer-In-Charge. (Make: - ASIAN/ MRF/ BERGER/ NEROLAC/ JOTUN & Equivalent). Providing, Fabricating, assembling and erection of Flexible Composite Roof Sheet in desired profile as per conceptual drawing. The sheet should be weldable having minimum weight of 900 GSM with a minimum Tensile Strength(warp/weft) 4300/4200 N/50 mm, Tear strength (warp/weft) 500/500 N having minimum 15 years warranty. The Roofing sheet should have standard specification. The Roofing should confirm to the manufacturing standard of being Pre stressed in both directions with the agencies specialized in fabrication and erection of roofing sheet. Rate includes cost of fabric, shop drawings, patterning, forming, cutting, fabrication, hot weld stitch of fabric, assembling and installation with GI cables, hardware, Aluminum flat, EPDM gasket and required accessories wherever required complete including, tools and plants, etc. Required for all operations in all respect complete as per drawing, design, specifications and as directed by Engineer-in-charge. WARRANTY ON FABRIC ON PRO-RATA BASIS AS REQUIRED Providing & Supplying of GI Cable with MS End Terminals & MS Nut & washer, Diameter as per Design, Type of cable is 6x19 strands of required length of Grade 1570 steel core as per specification under "IS 2266 (2002), with MS end terminals at both ends of required length as per approved drawings as Under Membrane Cables complete in all respect as per direction Of Engineer-In-Charge. NOTE: Mode of Measurement will be actual Fabric Surface area.	60.00	Sqm	7000.00	420000
86	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	100.00	Metre	200.00	20000
87	Providing and fixing 12 mm thick toughened glass over existing stainless steel frames using Stainless Steel brackets over floors/SS frames complete using SS screws, fittings, brackets, etc including making necessary holes for fixing of brackets, etc complete as per satisfaction and direction of Engineer-in-Charge. The rate should include providing of materials, fabrication/installation, placing at desired location as directed by EIC, all taxes (but excluding GST)/levies/transportation, etc complete in all respect.	100.00	Sqm	2800.00	280000
88	Constructing brick masonry manhole in cement mortar 1:4 (1cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominalsize), inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement andmaking channels in cement concrete 1:2:4 (1 cement : 2 coarsesand : 4 graded stone aggregate 20 mm nominal size) finished witha floating coat of neat cement complete as per standard design :a)Inside size 90x80 cm and 145 cm deep including C.I. coverwith frame (light duty) 455x610 mm internal dimensions,total weight of cover and frame to be not less than 38 kg(weight of cover 23 kg and weight of frame 15 kg) i) With common burnt clay F.P.S. (non modular)bricks of class designation 7.5	12.00	Each	7000.00	84000

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89	Making soak pit 1.5 m diameter 1.5 metre deep with 45 x 45 cm drybrick honey comb shaft with bricks and S.W. drain pipe 100 mmdiameter, 1.0 m long complete as per standard design.a)With common burnt clay F.P.S. (non modular) bricks ofclass designation 7.5	12.00	Each	6000.00	72000
90	Extra for rolling with power roller of minimum 8 tonnes for banking excavated earth in layers not exceeding 20 cm in depth.	800.00	Cum	5.00	4000
91	15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)	150.00	Sqm	200.00	30000
92	Providing and Placing FRP-MS Bio Toilet of Size 4ftx4ftx7ft (height excludes the stand height of 200 mm) made of MS structure (Main frame with angle frame of min size 35x35x5 mm and 25x5 mm flat as support frame to FRP,door fittings and pipe) as main frame and FRP (colour green) of Thickness 2 mm for walls and door and FRP thickness 5 mm for Base and Roof .Opening in Door (door of min height 6.5 ft) for ventilation will be covered with Wire mesh (stainless steel) and all fittings like handle,L-drop etc will be of aluminium.Toilet Unit comprises of one Indian Toilet of Size 580x440 with integral type foot rest & PVC Cistern of capacity 10 lt (make-hindware/Cera/Parryware) connected through P/S band and pipe to bio digester tank of 200 ltr capacity made of FRP 5 mm thick outer wall and bottom,partition wall 3 mm thick with bacteria culture, outlet from bio digester will be connected to manhole/soakpit ,Washbasin of size 450x300 mm,mirror ,connection Pipe,angle valve,Taps connected through External water tank of 200 ltr (white colour make-sintex,Plasto ,supreme) through Cpvc pipe and fittings,steel surface to be painted in white/off white colour all complete including one light point with switch arrangement as per satisfaction of EIC. Note:-Provision of Manhole/Soak pit,Platform for Tank and Bio Toilet with electricity connection will be Paid separately.	12.00	Each	50000.00	600000
93	Providing and fixing of stainless steel grade 304 Bollard with 4 mm thick sheet of size 150 mm internal dia ,900 mm high ,tappered from top,base plate thickness 6 mm as per attached drawing with overall weight minimum 16 kg ,fixed with anchor bolts and epoxy Resin on concrete/bituminous surface all complete as per satisfaction of EIC.	50.00	Each	5900.00	295000
94	Providing & fixing UV resistant flexible PU material Spring Post (make Pioneer enterprises Model - PS932/ Riddhi enterprises model DA 963 or equivalent) of min height 750mm with pole dia 80mm, base dia 200 mm ,minimum wt 1.10 kg with 3 nos high intensity micro Prismatic Type IV reflective bands (as per ASTM D 4956-09) of width min 65 mm. Fixed with fasters and epoxy resin to concrete/Bituminous surface all complete as per satisfaction of EIC	100.00	Each	500.00	50000
95	Providing & fixing Speed breakers / bumps of 75 mm high, minimum width 400 mm made of UV stabilized synthetic rubber with interlocking sub units studded with reflectors ((make Signxpress india model no SI-RSB-03 or equivalent),colour yellow and black solid from back side with similar material ,overall weight minimum 27 kg per mt,load bearing capacity 40T. Fixed with anchor bolt/Fastners and Epoxy resin to concrete/bituminous surface all complete as per satisfaction of EIC.	100.00	Metre	1200.00	120000
96	Supply of Road safety Cones made of injection moulded UV stabilized ,LDPE plastic of shape conical /Hexagonal (make Pioneer enterprises Model - PS1750/ Riddhi enterprises model DA 802 or equivalent) ,minimum height 750 mm ,minimum base width 370 mm ,inbuilt heavy rubber base with overall minimum weight 4.5 kg with high intensity micro Prismatic Type IV reflective bands (as per ASTM D 4956-09) all complete as per satisfaction of EIC.	20.00	Each	350.00	7000
97	Supply of plastic message plate of size 410x210 & 10mm thick for traffic cone made of poly ethylene plastic with UV stabilizer (make Pioneer enterprises Model - PS700/ Riddhi enterprises model DA 813 or equivalent)and pre coloured with printed stickers on reflective vinyl of min size 380x180mm all complete as per satisfaction of EIC.Note:-Matter for printing on vinyl will be provided by AAI	6.00	Each	210.00	1260
98	Supply of Plastic chain,link type made of polyethylene plastic in Red & white colour of thickness 8mm (make Pioneer enterprises Model - PS 754 or equivalent) to traffic cones/ barriers for barricading all complete as per satisfaction of EIC.	40.00	Metre	40.00	1600

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99	Supply of Plastic connector ring made of polyethylene plastic in Red colour (make Pioneer enterprises Model - PS 1100 or equivalent) to traffic cones/ barriers for supporting plastic chain to barricade all complete as per satisfaction of EIC.	20.00	Each	40.00	800
100	Shifting and refixing of Existing Sensor Urinals of Terminal building Toilets to adjacent location i/c dismantling the existing urinal,tiles,brick/ACC blocks,pipeline and relaying the new pipe to approved location ,connecting to existing floor trap making it reusable by making the area as good as was earlier all complete as per satisfaction of EIC.Item includes the all dismantling work ,relaying of pipes,masonry work , refixing of urinals etc except tile work and non working accessories of sensor urinal,which will be paid extra. Note:-leakage identification from urinal and its pipeline will be included in the item ,nothing will be paid extra.Any damage to sensor urinal and other area i/c pipeline due to negligence in workmanship,cost will be borne by the agency.	10.00	Each	2000.00	20000
101	Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.a) Kiln seasoned and chemically treated hollock wood	.15	Cum	170000.00	25500
102	Supplying, Fabricating and Erection of Pre-Fabricated PUF-Panelled frangible Bird watch tower of size 1.8 m(L)X 1.8 m(B)X2.4(H) M (Dimensions are external dimensions, 2.4M height - lower side of the roof to bottom of the flooring) with 2.7 meter height at the centre and 1 nos. main door of size 0.9m(B)X1.8m(H) made of sand witch panel of Wall and Roof 50mm thick with both sides 2mm thick FRP/ GRP sheet at the outer sides and middle part consists of PU foam of density 40 kg/m3, 3 nos of UPVC track sliding glass window size 0.9X 0.90 with loading, transporting, unloading and erection at site of work in all respect and complete. The prefabricated frangible hut shall consist of following - a) Provision of one number of main door with necessary locking arrangement. b) The roof is provided with 3° to 5° slope to enable easy drain of rain water. c) The PUF Panel shall be CFC free, Self-Extinguishing, and Fire Retardant having density of 40 kg /cum (± 2Kg tolerance limit) d) All necessary door fittings such as door hinges, handles and tower bolts shall also to be provided. e) The cost of the hut is inclusive of design, vetting of design by Govt. Engg. College, fragility certificate form manufacturer, fabrication, transportation, all taxes excluding GST and commissioning of the hut at the proposed site as per drawing and specification over a Cement Concrete platform.	4.00	Each	340000.00	1360000

Total 17152050

Total in Figures : One crores Seventy One Lakh Fifty Two Thousand and Fifty Only

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