



इरकॉन इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)
An integrated Engineering and Construction Company



No. IRCON/SEC-32/CIVIL/T1/INT_FIN/01/2023/173

Date: 01.02.2024

To,
M/s Abaxis Design & Build Pvt. Ltd.
C-76, Basement, Sector 44,
Noida – 201301

Sub. : Interior fit out works including allied Civil & Electrical works of Six floors (5th to 10th floor), Tower I, IRCON International Tower, Sector 32, Gurugram
– **Letter of Acceptance (LOA).**

Ref. : e-Tender No. IRCON/SEC-32/CIVIL/T1/INT_FIN/01/2023, dated 22.12.2023

Dear Sir,

With reference to the above, this is to inform you that your e-tender for the subject work of “Interior fit out works including allied Civil & Electrical works of Six floors (5th to 10th floor), Tower I, IRCON International Tower, Sector 32, Gurugram.” has been accepted by Ircon International Limited (IRCON) at a total contract value of ₹ 4,21,03,634.39 (Rupees Four Crore Twenty One Lakh Three Thousand Six Hundred Thirty Four and Paise Thirty Nine Only), inclusive of all taxes, duties, levies etc. and terms & conditions stated hereunder:

1. SCOPE OF THE WORK

The scope of work under this LOA covers Interior fit out works including allied Civil & Electrical works of Six floors (5th to 10th floor), Tower I, IRCON International Tower, Sector 32, Gurugram in accordance with Clause 2.0 of SCC. The work shall be carried out as per requirement of IRCON and as detailed by Architect.

The items mentioned in the Bill of Quantity are only indicative. The work shall be executed as instructed by IRCON. The contractor shall start the work immediately on the receipt of this LOA.

2. ACCEPTED RATES

- 2.1 The accepted rates for the various items are stipulated in the Bill of Quantity enclosed at Annexure-A to this LOA. These accepted rates shall be inclusive of the cost for carrying out the various activities /operations to fulfill the complete scope of works. The accepted rates shall be inclusive of all incidental charges, cost of mobilization/demobilization of all resources like manpower, material, machinery, equipment etc., cost of lodging/boarding/transportation, insurance for the contractors personal etc.

1st Feb 2024



पंजीकृत कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली - 110017, भारत
Registered Office : C-4, District Centre, Saket, New Delhi - 110017, INDIA

Tel. : +91-11-26530266 Fax : +91-11-26854000, 26522000 | E-mail : info@ircon.org Web : www.ircon.org
CIN : L45203DL1976GOI008171



- 2.2 In terms of clause 6.0 of the Special Conditions of Contract, the rates as per accepted Bill of Quantities, shall be firm and hold good till the completion of the works, and no additional claim or amount shall be admissible on account of fluctuations in market rates, increase in taxes, levies, fees, royalties etc. during the currency of contract and even during the extended period of contract.

3. COMPLETION PERIOD

You shall commence the work immediately from the date of issue of this LOA. The completion period for the contract is **03 (Three) months** from the date of issue of Letter of Acceptance.

4. PAYMENT TERMS

The payment for the work shall be made in accordance with clause 62.0 of General Condition of Contract. The payment will be made by transfer of the payable amount in the bank account as per the details submitted by you.

5. RETENTION MONEY

In terms of clause 8.2 of the General Conditions of Contract, retention money shall be recovered from each on account/final bills of the Contractor @ 10% of gross value of each bill after adjusting Earnest Money Deposit (EMD) amount till the amount so recovered including EMD amount adds upto 5% of the contract value of the work. In case of variation in the total contract value, the above limit of 5% shall be with respect to the revised contract value. The release of the retention money shall be in accordance with clause 8.4(i) of the General Conditions of Contract.

6. PERFORMANCE SECURITY

In terms of clause 8.1 of the General Conditions of Contract, performance guarantee in form of irrevocable B.G. as per Annexure-II of GCC @ 5% of contract value plus BG for additional value in terms of clause 8.1 (vii) within 21 (twenty-one) days from the date of issue of LOA but before signing of contract agreement.

7. DEFECT LIABILITY PERIOD

In terms of clause 10.0 of Special conditions of contract, the defect liability period for the above work shall be 12 (Twelve) Months from the certified date of completion of works. The contractor shall be required to rectify any defects in the works, notified by IRCON within the above defect liability period without any extra cost to IRCON.



Handwritten signature and date:
1st Feb 2024

8. OTHER TERMS & CONDITIONS

- 8.1 Except for the deviations specifically brought out in various clauses of this LOA the execution of the above contract shall be governed by the various stipulations in the e-tender documents submitted by you comprising of Notice Inviting Tender, Form of Bid, Instructions to tenderers, Appendix to tender, Special Conditions of Contract, General Conditions of Contract, Safety Health & Environment Specifications, General Technical Specifications, Drawings and Bill of Quantity. Any deviations from the above conditions, submitted by you in your tender, if any, stand withdrawn.
- 8.2 This LOA shall be treated as work order for commencing the work. This LOA shall constitute a binding agreement till such time a formal agreement is signed between you and IRCON for the execution of this contract. The agreement should be signed within 28 days after the issue of LOA. This letter of acceptance is being issued in duplicate, out of which one copy marked as "Acceptance Copy" may please be returned, duly signed and stamped on each page as a token of your unconditional acceptance of the same.

Thanking you,

Encl : as above.

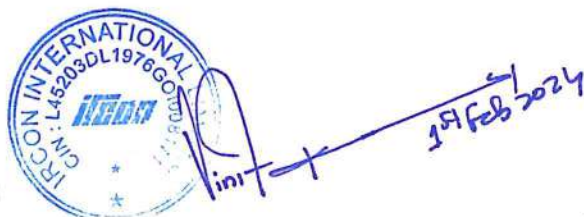
Yours faithfully,
For & on behalf of

IRCON INTERNATIONAL LIMITED


(Vinit Kumar)
Chief General Manager/Building



Copy to: JGM/Finance/HQ, IRCON : for information please.



Detailed Bill of Quantities

S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
SCHEDULE A: DSR items						
I		CIVIL WORK				
		CIVIL WORKS - to be done at all heights and floors including all tools and scaffolding. It shall be carried out with proper safety measures and without hampering other activities and services running on other part of the building or the floor. As per direction of the Engineer- Incharge.				
		DISMANTLING WORK				
1	DSR NO. 15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	15	cum	2,007.10	30,106.50
2	DSR NO. 15.7.4	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 In cement mortar	30	cum	1,698.45	50,953.50
3	DSR NO. 15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	50	sqm	60.50	3,025.00
4	DSR NO. 15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material	10	sqm	46.50	465.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		with in 50 meters lead as directed by Engineer-in-charge.				
5	DSR NO. 15.60	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	200	cum	219.35	43,870.00
		MASONRY				
6	DSR NO. 6.47	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry with 150mm/230mm/300 mm thick with Grade-I AAC blocks of density 551 to 650 kg/ cum conforming to IS: 2185 (Part 3) 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).	95	cum	6,994.15	6,64,444.25
7	DSR NO. 5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and 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).	5	cum	10,719.30	53,596.50



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
8		Centering and shuttering including strutting, propping etc. and removal of form for				
a	DSR NO. 5.9.4	Shelves (Cast in situ)	45	sqm	766.55	34,494.75
b	DSR NO. 5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	40	sqm	608.35	24,334.00
9	DSR NO. 5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	500	kg	89.65	44,825.00
10	DSR NO. 13.4.2	CEMENT PLASTER (IN COARSE SAND) with all tools and supports: 12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	800	sqm	294.35	2,35,480.00
		DOORS				
11	DSR 9.1.1	Providing and fixing wooden frames of doors, windows, ventilators including cutting, shaping, jointing, applying a coat of bituminous paint on concealed surface, wood primer on exposed surface, fixing in masonry/RCC by means of 300mm x 25mm x 6mm thick M.S. hold fasts screwed to frame @ 600mm max vertically and grouted with M-15 grade concrete in min. 350mm x 100mm x100mm sized hole made in masonry/96mm long, 12mm dia M.S. dash fastener, painting with two coats of approved shade and make (ICI or equivalent) synthetic enamel paint over approved quality primer coat, finishing etc. all complete.: Wooden frames with second class teak wood	1	cum	1,31,576.95	1,31,576.95



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
12	DSR 9.21.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	85	sqm	1,881.95	1,59,965.75
13	DSR 9.127.2	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. 1.0 mm thick	170	sqm	764.00	1,29,880.00
14	DSR 9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	20	each	739.80	14,796.00
15	DSR 25.4	Providing and fixing for openable side / top hung ventilators at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as directed by the Engineer- in-Charge.	5	Sq.M	3,309.05	16,545.25



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		WATER PROOFING IN TOILETS/ WET AREAS.				
16	DSR NO. 14.91.1	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/ 250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane, 3 mm thick.	160	M2	563.50	90,160.00
17	DSR NO. 14.92	Extra for covering top of membrane with Geotextile, 120 gsm non woven, 100% polyester of thickness 1 to 1.25 mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation. (STP, CICCOC or equivalent)	160	M2	103.50	16,560.00
		SANITARY & PLUMBING				
		C-PVC CONCEALED PIPE LINE				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
18		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
		Concealed work, including cutting chases and making good the walls ETC.				
	DSR 18.8.1	15 mm nominal dia Pipes	100	RM	441.15	44,115.00
	DSR 18.8.2	20 mm nominal dia Pipes	50	RM	513.75	25,687.50
	DSR 18.8.3	25 mm nominal dia Pipes	75	RM	626.05	46,953.75
	DSR 18.8.4	32 mm nominal dia Pipes	100	RM	712.75	71,275.00
19		External work				
a	DSR 18.9.4	32 mm nominal outer dia Pipes	20	RM	435.05	8,701.00
b	DSR 18.9.5	40 mm nominal outer dia Pipes	50	RM	559.20	27,960.00
c	DSR 18.9.7	65 mm nominal inner dia Pipes	20	RM	1,576.90	31,538.00
20		Providing and fixing Gun metal ball/gate valve of approved quality				
a	DSR 18.17.2	32 mm nominal bore	15	EA	589.90	8,848.50
b	DSR 18.17.3	40 mm nominal bore	4	EA	707.30	2,829.20
c	DSR 18.17.5	65 mm nominal bore	4	EA	1,490.70	5,962.80
21		Providing and fixing GUN METALC non- return valve of approved quality				
a	DSR 18.19.3	40 mm nominal bore, Horizontal	2	EA	815.05	1,630.10
b	DSR 18.19.5	65 mm nominal bore, Horizontal	2	EA	2,093.80	4,187.60
22		Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) all-round S.W. /				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		UPVC pipes including bed concrete as per standard design :				
a	DSR 19.2.1	For 100mm pipes	20	RM	895.50	17,910.00
b	DSR 19.2.2	For 150mm pipes	20	RM	1,095.15	21,903.00
		Manhole and gully trap				
23	DSR 18.34	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90x80cm and 45 cm deep including C.I. cover with 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) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	each	17,577.90	17,577.90
24	DSR 18.84.1	Providing & fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology.	2	each	8,050.50	16,101.00
25	DSR 17.34.1	Providing and fixing toilet paper holder : C.P. brass	4	each	680.80	2,723.20
		FLOORING				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
26	DSR 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	90.26	cum	6,833.40	6,16,806.40
27	DSR 11.3.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete 40 mm thick with 20 mm nominal size stone aggregate	315	sqm	545.00	1,71,675.00
28	DSR 11.56.1	Providing and laying Polished Granite stone in flooring/ wall cladding/sides, sill of windows/ toilet vanity/ storages 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 with cut out for wash basin/ kitchen sink as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent or as per EIC approved matching to existing granite stone.	25	Sq.M	3,908.80	97,720.00
29	DSR 8.3.2	Providing edge moulding to 18 mm thick Granite stone counters, Vanities, sill, jamb, top of windows etc, machine polishing to all exposed edges to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.: Granite work	50	Mtr	418.85	20,942.50



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
30	DSR 11.41A.1.2	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
a	DSR 11.41.A.2.2	Double charge vitrified tile polished finish of size 800 x 800 mm	2282	Sq.M	1,372.80	31,32,729.60
b	DSR 11.41.A.3	Glazed Vitrified tiles Matt/Antiskid finish of size 600x600 mm	165	Sq.M	1,311.05	2,16,323.25
c	DSR 11.46.3	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 800x800 mm	30	Sq.M	1,932.75	57,982.50
d	DSR 11.48.3	Grouting the joints of flooring tiles having joints of 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 filling / grouting and finishing complete as per direction of Engineer-in-charge. Size of Tile 800x800 mm	2560	Sq.M	205.15	5,25,184.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		PARTITION/ PANELLING/FINISHES				
31	DSR 12.57	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m ³ , 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.	1450	Sq.M	307.35	4,45,657.50
32	DSR 13.78	Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547 (Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick/ block/ RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. complete.	25	Sq.M	363.45	9,086.25
33	DSR 13.48A	Finishing partitions/wall surface with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required/approved shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. Item shall be executed complete as per direction of EIC	2650	Sq.M	154.45	4,09,292.50
		FALSE CEILING				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		Item includes false ceiling in design with coves & curves , Suspending system and frame work shall match layout of A.C. Ducts / grills, electrical / fire protection wiring / fixtures, Return Air grills etc with fixing of existing sprinklers/smoke detectors etc. to ceiling				
		Rate to include provision of extra height supports for frame work needed due to layout refered above and fixtures etc. Rates to include necessary scaffolding. (PAYMENT WILL BE DONE FOR GYPSUM AREA ONLY)				
34		Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I channels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with:				
a	DSR 12.59.1	8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.	1650	Sq.M	1,330.40	21,95,160.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
35		Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking 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 galvanised 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.				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
a	DSR 12.52.2	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece	160	sqm	1,746.25	2,79,400.00
36	DSR 26.23.1	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on interlocking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stiched double webbed white with 6mm reveal profile (white/black), comprising of main-T runners of size 15x42mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate crossT of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level	750	sqm	2,055.65	15,41,737.50



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles				
		MISCELLANEOUS				
37	DSR NO. 25.3	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost) For payment, only the actual area of glass on face of the glass panels provided and fixed in position, shall be measured in sqm.	50	Sq.M	3,377.50	1,68,875.00
		Coloured Tinted glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		approved make having properties as visible Light transmittance				
II		ELECTRICAL WORK				
		DISTRIBUTION BOARD				
1	DSR (E&M)-2022 - 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	DSR (E&M)-2022 - 2.3.1	6 way, Double door	3.00	Nos	2,206.00	6,618.00
b)	DSR (E&M)-2022 - 2.3.3	12 way, Double door	6.00	Nos	2,315.00	13,890.00
2	DSR(E&M)-2022 - 2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator)				
a)	DSR (E&M) -2022 - 2.4.1	4 way Double door	6.00	Nos.	4,091.00	24,546.00
b)	DSR (E&M) - 2022 - 2.4.2	6 way Double door	6.00	Nos.	4,974.00	29,844.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
3	DSR (E&M) - 2022 - 2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a)	DSR (E&M) - 2022 - 2.5.2	8 way Double door	6.00	Nos.	10,165.00	60,990.00
4	DSR (E&M) - 2022 - 2.12	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	DSR (E&M) - 2022 - 2.12.1	40 amps	6.00	Nos	435.00	2,610.00
b)	DSR (E&M) - 2022 - 2.12.2	63 amps	6.00	Nos	527.00	3,162.00
5	DSR(E&M)- 2022-2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	DSR(E&M)- 2022- 2.13.2	63 amps	12.00	Nos.	1,034.00	12,408.00
6		Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	DSR(E&M)- 2022- 2.10.1	Single pole	216.00	Nos.	256.00	55,296.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
7		Supplying and fixing following rating, double pole, single phase and neutral, 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc as required.				
a)	DSR(E&M)-2022-2.14.3	63 amps	6.00	Nos.	2,722.00	16,332.00
8		Supplying and fixing following rating, four pole, three phase and neutral, 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc as required.				
a)	DSR(E&M)-2022-2.15.3	63 amps	36.00	Nos.	2,872.00	1,03,392.00
		INTERNAL WIRING				
9		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed pvc conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a)	DSR(E&M)-2022-1.3.2	Group - B	200.00	Point	1,488.00	2,97,600.00
b)	DSR(E&M)-2022-1.3.3	Group - C	420.00	Point	1,845.00	7,74,900.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
10		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed pvc conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a)	DSR(E&M)-2022-1.55.2	Group - B	500.00	Point	753.00	3,76,500.00
b)	DSR(E&M)-2022-1.55.3	Group - C	150.00	Point	858.00	1,28,700.00
11		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed pvc conduit as required.				
a)	DSR(E&M)-2022-1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	8000.00	Metre	369.00	29,52,000.00
b)	DSR(E&M)-2022-1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1500.00	Metre	428.00	6,42,000.00
c)	DSR(E&M)-2022-1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	50.00	Metre	589.00	29,450.00
d)	DSR(E&M)-2022-1.7.9	4 x 6 sq.mm + 2 x 6 sq.mm. earth wire	50.00	Metre	924.00	46,200.00
e)	DSR(E&M)-2022-1.7.5	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	50.00	Metre	710.00	35,500.00
f)	DSR(E&M)-2022-1.7.10	4 x 10 sq.mm + 2 x 6 sq.mm. earth wire	50.00	Metre	1,166.00	58,300.00
g)	DSR(E&M)-2022-1.7.11	4 x 16 sq.mm + 2 x 6 sq.mm. earth wire	50.00	Metre	1,645.00	82,250.00
12	DSR(E&M)-2022-1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in buildings).	118.00	Each	477.00	56,286.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
13	DSR(E&M)-2022-1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	200.00	Each	586.00	1,17,200.00
14	DSR(E&M)-2022-2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	5.00	Each	1,621.00	8,105.00
15	DSR(E&M)-2022-2.19	Supplying and fixing 20 amps, 415 volts, TPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, TPN, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	2.00	Each	2,590.00	5,180.00
16	DSR(E&M)-2022-1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	60.00	Each	40.00	2,400.00
17	DSR(E&M)-2022-1.24.8	Supplying and fixing following modular switch/ socket for Bell push on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	12.00	Each	140.00	1,680.00
18	DSR(E&M)-2022-1.38	Supplying and fixing of call bell / buzzer suitable for single phase, 230 volt complete as required.	12.00	Each	99.00	1,188.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		FANS & LIGHT FIXTURES:				
19	DSR(E&M)-2022-1.24.6	Supplying and fixing M.S. box with modular type telephone (RJ-11) outlet complete as required.	275.00	Each	148.00	40,700.00
20	DSR(E&M)-2022-1.24.7	Supplying and fixing M.S. box with modular type coaxial outlet for TV antenna complete as required.	26.00	Each	148.00	3,848.00
21	DSR(E&M)-2022-1.27.1	Supplying and fixing of 1 or 2 module (75mm x75mm) size GI boxes with modular base and cover plate for modular switches in recess etc complete as required	301.00	Each	298.00	89,698.00
22	DSR(E&M)-2022-1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	600.00	Metre	47.00	28,200.00
		Sub-Total for Civil Work				1,19,89,554.00
		Sub-Total for Electric Work				61,06,973.00
		Total for Schedule A				1,80,96,527.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
SCHEDULE B: Non DSR items						
I		CIVIL WORK				
		DISMANTLING WORK				
		Note: Dismantling to be done at all heights and floors including all tools and scaffolding. It shall be carried out with proper safety measures and without hampering other activities and services running on other part of the building or the floor. As per direction of the Engineer- Incharge.				
1		Dismantling, cutting, core cutting in RCC slabs, making of holes and disposing off brick massonary work, RCC work along with mortar, aggregate & reinforced steel manually or by mechanical means with proper safety. It shall be carried out in planned manner without damaging near by walls, floor or ceiling and shall be executed in phased manner so as to minimize disturbance to other areas/floors. Site to be cleaned and prepared properly for new work. All debris shall shifted to any earmarked location within the campus with all leads & lifts and further it shall be disposed off to any municipal approved location including lifting, shifting & transportation.	2	Cum	1,100.00	2,200.00
2		Removing existing Entrance Glass Doors/ lobby doors/ Fire doors and glazing and refixing of doors & glazing to new location as per layout and site conditions, complete with fixing of floor springs/ Door closers and all door accessories, (Breaking of skirting and refixing of skirting in new location will be paid in their respective items) complete with removal of all debris and finishing of work as per site.	2	sqm	1,000.00	2,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
3		Removing, repairing and re-fixing of existing openable side / top hung windows/ventillators at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers, neoprin rubber gasket etc. all complete as directed by the Engineer- in-Charge.	200	sqm	950.00	1,90,000.00
4		Providing and laying in position light weight foam concrete, for filling in coference room.	20	cum	4,500.00	90,000.00
		SANITARY & PLUMBING				
		Providing and fixing wall mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including concealed cistern of capacity 6 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.				
5		W.C. pan wall mounted with soft closing lid and soft close seat cover, cover plate, hinges and all accessories etc. complete including concealed Phneumatic tank 6L with full frame soft touch Phneumatic water tank with face plate in polished chrome with all connecting pipes , complete with tank and all accessories	11	each	18,132.40	1,99,456.40



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
13		Providing and fixing of Swivel towel Holder Twin Type including all fittings, material ,fixing accessories, labour , consumables etc all complete as per drawing and instruction of EIC.	13	each	1,817.75	23,630.75
14		Providing and fixing of Soap Dispenser With Metallic Bottle including all fittings, material ,fixing accessories, labour , consumables etc all complete as per drawing and instruction of EIC.	13	each	1,142.08	14,847.04
15		DOUBLE COAT HOOK (JAQUAR- CAN-CHR-1161 N Continental) Providing & Fixing in position double coat hook in toilet as per site and direction of EIC.	3	each	622.33	1,866.99
		U-PVC WASTE WATER PIPE				
16		Providing and fixing unplasticised Rigid PVC water pipe conforming to IS : 13592 Type A, including joining with required sealent including all fittings such as T, bend, p-trap, clamp etc, including testing of joints complete as per direction of Engineer-in-Charge.				
a		40 MM Dia	30	RM	320.00	9,600.00
b		75 MM Dia	100	RM	550.00	55,000.00
c		110 MM Dia	150	RM	780.00	1,17,000.00
d		160 MM Dia	50	RM	1,200.00	60,000.00
		INTERIOR WORKS				
		FLOORING WORK and STONE CLADDING				
17		Providing and fixing AC-4grade 6mm -9 mm thick laminated flooring in floors/ skirting on 3mm-4mm foam which is inturn laid on 0.01 mm polythene sheet. The laminate panel size shall be 1215mm-1220mmx190mm-195mm. End profiles	50	sqm	1,313.68	65,683.75



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		of the same shade shall be used to end the flooring in the doors openings. (Make: Pergo, Green Mikasa, Armstrong)				
a		Skirting of the same as of above with 100mm Wooden Skirting	50	rmt	400.00	20,000.00
18		Providing and laying Ceramic glazed Dado tiles of (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.				
a		Size of Tile 600x300 mm	350	sqm	1,450.00	5,07,500.00
b		Premium tiles Size of Tile 1200x600/ 450 x 900 mm	55	sqm	1,900.00	1,04,500.00
		CARPET FLOORING				
19		Providing 500x500 Or 600x600 24-28 Oz Carpet tile 100% SD Nylon type-6 construction face carpet tile with fiber glass polyvinyl chloride backing. The rate shall be inclusive for Comfolene, GermiShield, Markproof, ActiBack, Stainarmour, Nurturefeet, Microbefresh, moist proof and the likes with a total thickness of 6.5 mm or as manufacturer's specification. Carpet tiles shall be complied with Flammability Test ASTM E648 , Methenamine Pill Test ASTM D2859, Smoke Density Test ASTM E662, Appearance Retention Hexapod test ASTM D5252. Warranty of 15 year will be applicable as detailed on the manufacturer's website. The laying work should be carried out by the authorized installer of the Company in India. (Make: Welspun, Belgotex, Forbo, Milliken, Suminoe)				
		Printed carpet Tiles Carpet tiles	320	sqm	2,200.00	7,04,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		PARTITIONS				
		GENERAL NOTES: - Partition Work				
		N.B: - The plywood considered in this estimate shall be Commercial Plywood for all the items of Interior & Furniture works. The rate shall be inclusive of anti termite coating on all sides to plywood, teak wood & all the other wooden components of Asian/ Berger/ ICI paints or equivalent approved make.				
		All internal woodwork / Plywood shall be treated with antitermite preservative. All internal framework shall be of GI unless otherwise specified as Teakwood. All exposed edges of Plywood shall be fixed with C.P. Teak Lipping of size as directed by Architect. All exposed veneer surfaces shall be finished with melamine polish. The thickness of the veneer shall be 3.5mm & that of laminate shall be 1.0mm thk. The approved veneer shall be finished with natural melamine polish of minimum 2 coats to have desired matt melamine finish where ever specified. The Partitions & Panelling shall be inclusive of providing & fixing in between the aluminium frames, 50mm thk Rockinsul Slabs of Rockwool India Ltd of density 96 kgs / cu.m of standard width as per the available clear distances between the existing frames as directed wherever required & instructed including above false ceiling framework (PAID IN SEPERATE ITEMS).				
		Full height partition to have framework above false ceiling as required to fix the same to the ceiling slab . However the cost towards any additional support for frameworks to be fixed to the main ceiling shall be deemed to have been considered in the quoted rates and no separate				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		payment shall be made for supporting elements of partitions / panelling items, above the false ceiling level.				
		The rate shall be all inclusive of the necessary hardware, fittings, fixtures & including glass & finishing for the same. The rate shall be also inclusive of pattas & bands, grooves at any level, any design in veneer, textures etc including the necessary framing/ openings for Electrical, Telephone & AC outlets. Further it is important to note that the Glasses wherever specified for the items of Partitions & Panelling if any shall have polished edges as per the direction & thickness as indicated by the Architect or Engineer in charge				
		The rates quoted for the Items of Partitions & Panelling of any / all types shall include the cost towards Providing and fixing additional 75mm wide Patta raised over and above the given ply for design including designer grooves etc. complete as per the instructions and to the complete satisfaction. Nothing additional would be paid on account of any pattas / bands provided for the said items.				
		Measurement of height shall be taken from finished floor level up to the level of False ceiling, in case of varying heights on either side of partition, average height shall considered. The rate to include Provision of extra frame work as necessary for skirting and making cutouts for electrical switch plates, switch boxes, light fittings light etc. making provision for laying conduit; as per drawings & directions. in case of wood framework to be applied with 1 coat of anti termite wood preservative.				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
20		Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 8 mm thick commercial plywood with 4 mm thick MDF board to both side of frame work as per approved pattern by long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher as per manufacture's specification and direction of engineer in charge all complete.				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
a		76 mm overall thickness partition with 8 mm thick commercial plywood and 4mm thick MDF board as per approved pattern and 1 mm 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, on both sides including cost of adhesive of approved quality. The grooves shall be finished with required malemine polish. (Plywood with BIS certification marks).	900	sqm	3,366.16	30,29,543.95
b		Partition frame same as above covered with 8-9 mm thick commercial plywood on both sides (without 4 mm thick MDF board and 1 mm thk laminate). Plywood with BIS certification marks.(Partition above false ceiling to maintain acoustic of room)	550	sqm	2,076.16	11,41,885.45
c		76 mm overall thickness glazed partition with 12mm thick toughned glass glazing fixed in partition of 8 mm thick commercial plywood and 4mm thick MDF board as per approved pattern and 1 mm 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, on both sides including cost of adhesive of approved quality as per architectural details. The grooves shall be finished with required malemine polish. (Plywood with BIS certification marks). The rate includes providing and fixing of toughned glass in partition with all necessary fittings and fixtures like beading/lipping etc as per drawing and instructions of Engineer-in-charge.	50	sqm	3,486.31	1,74,315.42
		PANELLING/FINISHES				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
21		Providing and fixing in position wall panelling at all heights with required board, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e.vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 mm wide having equal flanges of 32 mm and 0.50 mm thick fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastner with 10mm bolt. This same channel is then to be fixed in horizontal direction at 600mm center to center so as to form a grid of 600mm x 600mm as per manufacturer's specification as per direction of Engineer-in-Charge all complete.				
a		63 mm overall thickness paneling with 8 mm thick commercial plywood with 4mm thick MDF board for grooves and 1 mm 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, on both sides including cost of adhesive of approved quality. The grooves shall be finished with required malemine polish. (Plywood with BIS certification marks).	640	sqm	2,267.77	14,51,371.12



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
22		Providing and applying acrylic aggregate textured wall coating of OIKOS/Asian Textured & Special Effects Paint, Dulux Ambiance or equivalent approved in any shade spray and approved texture coat, pebble, ripple, linea, marble, slate, special effects such as zig-zag, bloom, bubble, compact, rustik shade etc or as approved including base coat, maintaining material consumption rate as per manufacturers standards & specifications and upto any desired thickness on walls to the complete satisfaction of the Architect & Engineer in charge. The rate shall include making base to the wall as per manufacturer's specifications to proper level & plumb including scrapping, cleaning etc. complete. (Oikos or equivalent)				
a		Texture paints (Metallic finish)	70	Sq.M	900.00	63,000.00
		GLAZED PARTITIONS/ DOORS				
23		Providing and fixing 12mm thick frame less Toughened glass full height partition fixed to the floor / wall / false ceiling with frame less patch fittings (Doorma/ Hettich/ Ozone/ Enox) including all necessary hardware & accessories and S.S studs and Channels for floor and ceiling inserts. Exposed edges of glass shall be machine cut & polished. Cost includes cutting and making good the floor, walls, ceiling etc. for patch fittings. All complete as per approval of the Engineer-in-charge / Architect.	270	sqm	4,500.00	12,15,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
24		Providing and fixing 12mm thick frame less Toughened glass full height door/partition fixed to the floor / wall / false ceiling with frame less spider patch fittings (Doorma/ Hettich/ Ozone) including all necessary hardware & accessories. Exposed edges of glass shall be machine cut & polished. Cost includes cutting and making good the floor, walls, ceiling etc. for patch fittings. All complete as per approval of the Engineer-in-charge / Architect.	115	Sq.M	7,200.00	8,28,000.00
25		Providing and fixing over partition and ply base as above but finished with 6mm thick annealed GRIHA rated lacquered glass (of Saint-Gobain make or equivalent) coated with PU lacquer (minimum 60 micron thick or more) of color Vert Onyx and Aquablue as per approval of Engineer-in-charge / Architect . Glass fixed with compatible neutral core silicon / lacquered glass compatible double sided tape (SGG PlaniFIX or equivalent). Silicon / tape should not react with coating on glass & render even color-tone when viewed from glass side. Lacquered glass must be made industrially; must be opaque (if viewed against a support wall) must have panel to panel color consistency highly durable environmentally friendly (no lead, no arsenic, no copper, no formaldehyde) All complete.	20	Sq.M	5,124.63	1,02,492.60
26		Providing and laying in position approved CNC cut metal powder coated designer cut panels/ jali or standalone partition seperators as per design, and fixed in wooden 12 MM ply frame 150 x 150 MM finised with laminate, necessary framework for fixing the panels teakwood moulding at joints, necessary	10	Sq.M	8,500.00	85,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		hardware, fittings, fixtures etc complete as per the satisfaction & directions of Architect.				
		MISC. FINISHES OVER PARTITIONS/WALL SURFACE				
27		Providing & fixing soft board for pin up using moulded Steam beach frame of 1" x 1/2" with 6 mm thick BWR plywood on back side and 12mm thk soft board on front covered with cloth of selected design. Steam beach member shall have lacquer polish as per direction of the Architect/EIC.	20	Sq.M	2,200.00	44,000.00
28		Providing and fixing frosted / striped / designer glass film of 3M, Self Adhesive, translucent, Specialeffectsfilm (Frosted Crystal, Sand Blasted Look, Cat. No. 7725-324) over the already available glass surface, including cost of allmaterial, labour,tools , tackles, transportation, taxes etc. complete,as per thedirection of EIC.	350.5	Sq.M	985.00	3,45,242.50
29		Providing and fixing digital printed colored designer Film of 3M or approved make on existing glass of . All complete as per drawing, approval and instructions of the Architect / Engineer-in-charge.	30	Sq.M	1,450.00	43,500.00
30		Providing and fixing 12mm thick solid acrylic surface of approved shade with pattern as per instructions of Architect / Engineer-in-charge.				
		Solid acrylic surface with CNC cutting design.	5.00	Sq.M	7,500.00	37,500.00
31		Additional rates for inserting 6 MM wide readymade T Brass/ copper strips as per detail design to form a pattern as a backdrop complete with CNC cutting of Acrylic surface (Corian) and finishing with polish of Brass strips.	10	RMT	1,250.00	12,500.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
32		Providing and fixing 12mm thick Plain MDF Board panelling on ceiling/ wall over existing Aluminum/ GI frame as per detail. Item includes duco paint complete with base as per EIC.	10	Sq.M	1,895.00	18,950.00
33		Providing & fixing of Acoustical wall panels of Armstrong OPtra or equivalent as per drawings & specifications & approved make ,sample & colour of sizes 600mm x 1200 mm.The panel have square shaped edges with acoustical infill panel of rock wool covered with a special fire resistant fabrics installed over partition with studs or adhesive by using a gun-dispenser on the back of the panel.Impalers ,J or Z splines can be used to create an exposed system. The NRC should be considered as 0.9 . All complete as per instructions & directions of Architect/ EIC.	25	Sq.M	4,600.00	1,15,000.00
		FALSE CEILING				
		Item includes false ceiling in design with coves & curves , Suspending system and frame work shall match layout of A.C. Ducts / grills, electrical / fire protection wiring / fixtures, Return Air grills etc.				
		Rate to include provision of extra height supports for frame work needed due to layout refered above and fixtures etc. Rates to include necessary scaffolding. (PAYMENT WILL BE DONE FOR GYPSUM AREA ONLY)				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
34		Providing and Fixing Channelled Woodworks perforated panels of width 192mm, thickness of 15mm and length 2400 mm, made of a Moisture resistant fibre board substrate with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut, Interior White, Alumina Pearl) and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the reverse surface has a "Helmholtz" fluted perforation with consecutive 3mm wide groove followed by 13/21mm of visible pane. The edges of the panel shall be "tongue-and-grooved" to fix special clips for installation and seamless visual. The back of the perforated panel shall have sound absorbing non-woven acoustical fleece hot pressed to achieve NRC of 0.5. (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 and Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mm. The panel shall be downwardly installed with tongue and groove mechanism using Inside clip on Knauf Prelude 43 with 24 mm wide T - section flanges having rotary stitching on all T - sections i.e., the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 43mm, 35mm and 30mm respectively. The deflection loading of the system shall be 17.8 kg/m² (as per standard installation layout mentioned below) and main beam tested as per ASTM C635 (Deflection limit less than L/360) with deflection loading of 21.4kg/m.	480	Sq.M	3,650.00	17,52,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
35		Providing and fixing wooden ceiling with framework in 50mm x 25mm x 1.62mm thick. aluminium box section framework @ 600mm c/c both ways suspended from RCC slab. Panels consisting of 12mm thick plywood finished with 1.0mm thick Laminate of approved shade and sample h. Top of the panel to be treated with anti-termite treatment. Rate to be inclusive of all kinds of profiles and cut outs required for light fixtures, Speakers, Smoke detector, trap doors and AC grill in the ceiling. All exposed surface should be finished with TW lipping & matching melamine polish. All complete as per detailed drawing / instruction of Architect / Engineer in charge.	120	Sq.M	4,565.00	5,47,800.00
36		Providing and fixing Readymade access panel door / Trap door of following sizes in false ceiling comprising Moisture Resistant Gypsum Board Access Panel with Powder coated Aluminium framing & stiffeners, push-catch closing mechanism with door retaining safety cable and hook, concealed locking arrangement. Trap door frame having Knauf Danoline embossed marking or equivalent .				
a		600 x 600mm	12	each	4,500.00	54,000.00
b		600 x 1200mm	6	each	7,500.00	45,000.00
b		900 x 1800mm	18	each	12,650.00	2,27,700.00
37		ALUMINIUM METAL CLIP IN MICRO PERFORATION				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		Providing & Fixing horizontal level suspended ceiling comprising of Armstrong/ USG or equivalent Aluminium Clip-in Micro Perforated 600x600mm (Nominal Size) tiles made of AA-3003-H14 (Tempered) grade Aluminium suitable for architectural finishes in 0.7mm thickness as per in IS:2676 (1981) in Global white color with concealed suspension system having a bevelled edge of 3x3mm and height of 33mm on one side and 18mm on the other side. Tile shall have perforation of diameter (hole) as 1.8mm and open area as 20% with linear and diagonal pitch of 5mm and 3.5mm respectively along with a border of 9mm. The difference between the 2 diagonal dimensions of the tile to be less than 1mm. Tiles shall be flattened by precision leveller to minimize sag to less than 1/400mm. The tiles shall have double round pip of ϕ 2mm and ϕ 6mm for secure engagement and levelling respectively, along with swing down feature and special tabs to allow removal of tile to enable plenum access.				
		The tile shall be electrostatically polyester powder coated using RoHS compliant powder having coating thickness ranging from 60-80 microns. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV -A Test for 1000 hours as per ASTM G-154 - (Cycle - 1) and Humidity test for 1000 hours as per DIN 50017. The powder coating shall have an adhesion of GT0 as per EN ISO 2409. The shade variation across batches shall be $\Delta E < 1$ using Excite/BYK Gardner instrument and gloss level of $25 \pm 5\%$ at 60° as per ASTM D523. The tile shall have a Light Reflectance of $\geq 63\%$ in accordance to ASTM 1477-98. Back side of the tile shall have Soundtex fleece hot pressed mechanically for uniform				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		bonding to achieve NRC upto 0.7 (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C-423 and Fire Performance of class 0/1 as per BS 476 Part 6 & 7 in module size of 600x600mm				
		SUSPENSION & INSTALLATION: Shall comprise of 3000mm long 'C' channels of 38H x 12W mm and 1mm thick spaced at 1200mm centers securely fixed to the structural soffit using threaded rod (Approved make) connected to C-channel hanger of 109x18.5x16.5mm at 1200mm C/C and anchor fastener (Approved make). The last hanger at the end of each C-channel shall not be greater than 600mm from the adjacent wall. Use a C-channel connector of 99.5x35x 9mm for splicing together two pieces of C-channels. 4000mm DP-12 main carriers (Clip-in bar) of 16W x 40H mm and 0.6mm thick made of galvanized steel of 140gsm as IS 277 (2003) and shall be spaced at 600mm C/C in a direction perpendicular to the C-channels and secured at every intersection with C-channel using a DP-12 hanger (Clip-in bar hanger) of 54x18x20mm. Use DP-12 connector (Clip-in bar connector) to splice two pieces of DP-12 main carriers (Clip-in bar).				
		Tiles shall be clipped in between two DP-12 carriers (Clip-in bars) from below. Optionally - Security clip to be installed to ensure the panels are positively engaged with DP12 channel (Clip-in bar channel). Installation shall be carried out as per Manufacturer recommended procedure. Perimeter to be finished using wall angles of size 3000x19x32mm in white color secured to walls using screws at 450mm C/C. Cut tiles to be secured to the wall angles using a spring clamp.				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		The Tile & Grid system used together shall carry a 10 year warranty against manufacturing defect and manufacturer shall provide a warranty certificate. The Tile & Grid shall have the manufacturers name embossed/printed on it. The supply shall be backed by a Manufacturing Test Certificate.				
		Size 600 x 600 MM	70	Sq.M	2,000.00	1,40,000.00
		NOTE :-				
		For False ceiling Items the false ceiling design can be stepped / curved/architectural design, cove etc. However only Board surface area shall				
		be measured for the purpose of payment. Nothing extra for design or curve.				
		Existing floor to slab height on the site shall vary. Ceiling shall be hung from the existing slab through hanger's. Rate quoted in the tender				
		shall be applicable for all floor levels /all floor height (approx. 4.5 Mtr floor to floor) including scaffolding, etc complete.				
		The rate of falseceiling items also includes 6 mm ply backing for supporting light fixtures in the false ceiling.				
		The rate of False ceiling items also includes making all necessary cut outs & frame work for electrical fixtures / air conditioning work coves etc.				
		STORAGE CUPBOARDS				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
38		Providing & fixing low height box cupboards 450 MM deep as shown in details with all sides made with 18/19 mm PLY, Top with 18/19 mm ply + 19 MM Granite stone/ 12 mm Acrylic surface covering with round moulding in front as per design. (Granite/ Acrylic surfaces to be paid in respective items.) Laminate finish on all exposed surfaces except top (textured/ decorative). shelves to be 18/19 mm thk. BWR PLY at approx. 400 MM distances with 6mm PLY finished with laminate both sides to be fixed at the back. The shutters to be 18/19 mm BWR PLY with 1 mm laminate (decorative finish) on all exposed & internal surfaces. All shutters to have 2MM PVC edge binding tape, complete including S.S. (150 mm) long handles magnetic catchers, hinges, locks, etc (Dorma, Hettich, ozone). The item includes interior to be finish with 0.8mm white colour laminate complete to the satisfaction of EIC / Architect. Only front elevation to be considered for area calculation. Item shall be modular/factory made customised as per actual on-site measurements. Including provision to make necessary cutouts and fixing under counter/counter top washbasin/ sink etc.	40	sqm	8,500.00	3,40,000.00
a		Storage same as above but with 1 MM laminate top instead of granite and storage near external glass to be made accommodating glass sill as per site and detail/ design.	240	sqm	9,500.00	22,80,000.00
b		Storage Same as above for Overhead storages with depth 300 MM	22	sqm	7,500.00	1,65,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
39		Book Storage - with same specification as of above, storage unit same upto 750 MM but with Storage to have 10 MM toughened glass shutters and 10 MM toughened glass shelves above 750MM. Item will be finished with 1 MM Textured Laminate, including wood surfaces melamine polish, laminate on all exposed surfaces including internal visible surfaces of storage. Item shall be provided complete to the satisfaction of EIC/architect.	15	sqm	12,500.00	1,87,500.00
		MISCELLANEOUS ITEMS				
40		Providing and fixing concealed type hydraulic door closer having silver finish of make ENOX, Hettich, Ebco or approved equivalent, for door weight 40 kg to & 80 kg and door width from 850 mm to 1100 mm with speed adjustment with necessary accessories and screws etc all complete as per instruction of EIC.	10	No	4,800.00	48,000.00
41		Providing & fixing screen/black out roller blinds manufactured from dust & stain repellent polyester fabric in specified width of approved design & shade of make complete with control unit, idler, head rail, brackets, operating chain, roller tube & load bar etc. complete as per manufacturer's specifications. (Payment shall be made for the finished area. Height of the curtain/blinds shall be taken in open position from the top of the headrail to the bottom of the curtain.) The blinds to be fixed and commissioned as per manufacturer's specification. Rate shall be including wastage as per design & direction no extra payment shall be paid for wastage. thickness of cloth .6 or above openness factor 2-3%	1000	Sq.M	1,850.00	18,50,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
42		Architrave : P/F of moulding along door/ window chaukhats complete as per details drawing/ advised. Size 1" x 0.5" (C.P Teakwood)	165	R.MT	285.00	47,025.00
43		Supplying and installation of moisture resistant/ fire resistant 6 mm thick heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with selfdrilling/ tapping screws. Screws shall be of counter sunk rib head of 1.60 mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm	5	Sq.M	475.00	2,375.00
II		ELECTRICAL WORK				
		Internal Wiring:				
1		Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 No. 3 pin 5/6 amps modular socket outlet and 1 No. 15/16 amps modular switch, connection etc. as required. (For UPS points plugs to be used in building, 1 UPS point is with 3 socket and 1 switch).	385	Sq.M	950.00	3,65,750.00
2		Supplying and fixing of HDMI / HDMI High Speed with Ethernet certified and built in compliance with the regulations to ensure the following high performance:- All 3D video applications, 4K x 2K resolution, High Speed Ethernet Channel, Conductors O.F.C. (Oxygen Free Copper 99.99% pure copper etc complete required as per mentioned specifications	410.00	Metre	1,500.00	6,15,000.00
		Cable Cubby				
3		Supplying and fixing of Cable access enclosure for AV connectivity easy access to connectors, 1 X USB, 1 X HDMI, 1 X LAN, 2 unswitch AC outlet etc complete required as per mentioned specifications.	25.00	No	2,500.00	62,500.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
4		Supply and fixing USB port on tables and workstation along with all box, face plate and coverplate complete.	225.00	No	900.00	2,02,500.00
		Light Fixtures:				
5						
a)		Supply, Installation, Testing and Commissioning of LED Strip with driver & Power min 10 W/m, Output 1000 Lm/m (minimum), Luminary efficacy >100Lm/w, CCT -3000/4000/R/G/B, Burning Hours >=30000, CRI>80, Minimum 48 to 60 LEDs per meter & Track Mounted, BIS Approved. Complete with driver, Considering 1 no. driver per 5 m Strip). LED Strip as well as Driver Osram/Philips or equivalent. The Strip shall be duly approved by engineer incharge.	549.916	M	550.00	3,02,453.80
b)		Supply, installation, testing & commissioning of Surfaced/Recessed mounted adjustable 9W/12W COB LED Decorating Spot Light with output Lumen Min 900 Lm, CCT 4000K/3000K, Luminary efficacy >80Lm/W, CCT 3000/4000K, CRI>80, Life Hrs (L@70)-50000 BIS approved. Complete with driver including all accessories etc. Philips or equivalent Make. The fixture shall be duly approved by engineer incharge.	763	EA	950.00	7,24,850.00
c)		Supply, Installation, Testing & Commissioning of Surfaced/Recessed mounted 6W COB LED Spot light with Output 390 Lm (Min), CCT-3000/4000K, Luminary efficacy >65Lm/w, Burning Hours >=50000, CRI>80 & BIS Approved. Complete with driver & all necessary accessories. Philips or equivalent Make. The fixture shall be duly approved by engineer incharge.	48	EA	750.00	36,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
d)		Supply, Installation, Testing & Commissioning of Surfaced/Recessed mounted 18W LED down light fitting with PC housing and opal diffuser .with Output 2000 Lumen(min),Luminary efficacy >90lm/W,CCT 4000K,Burning Hours >50000 & BIS Approved. Complete with driver & all necessary accessories.Philips or equivalent Make .The fixture shall be duly approved by engineer incharge.	202	EA	1,450.00	2,92,900.00
e)		Supply/Fixing of recessed mounted LED Luminaire for System Dimension of 600 mm x 600 mm with high efficiency opal diffuser suitable for Armstrong/Grid/POP Ceiling type. Luminaire Wattage-Not more than 36W, System Efficacy >110 lm/Watts, Color Rendering Index Ra >80, . Inbuilt electronic Driver with Power Factor > 0.9, • Housing should made of CRCA with sheet thickness of 4mm & with opal acrylic PS diffuser ,life class (with driver)of 50,000 (Including Driver) with minimum 70% lumen maintenance. ,Total Harmonic Distortion <10% and in compliance to IEC Safety Standards. • The luminaire shall be able operate from 140 - 270V AC, 50Hz in a continuous operation mode with no change in performance parameters, Product should be suitable for continuous operation (12-14 Hrs. per day). The driver should have minimum of 2.5KV surge ,CRI>80 and SDCM < 5 to ensure uniform colour and brightness i.e. light output, LM 79 and LM 80 reports to be submitted from a NABL accredited in-house lab to verify above parameters. • The driver should be compliant to • Harmonics requirement as pre-IEC 61000-3/2 • Safety requirement as per IEC 61347-2-13 • CISPR 15 & IES 61547. Make: Havells/Bajaj/Wipro/Philips/Crompton The Cost includes warranty of Five Years	270	EA	2,100.00	5,67,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
f)		Supply, Installation, Testing & Commissioning of decorative Surface/Suspended Hexagon/ circular curved shaped 25W LED Light fitting with driver , Output 3600 Lm. Fixtures contains Strip light with minimum Output Efficacy >100 Lumen/w ,CCT 4000K,Burning Hours >=50000,CRI>80 . LED Light fitting complete with PMMA diffuser and extruded aluminium housing .Each arm of hexagon is 2 ft, Complete mounting arrangements ,clamps & all necessary accessories. LED fixtures as well as & Driver Osram/Philips or equivalent.The fixture shall be duly approved by engineer incharge. ., (600-750 MM Dia approx.)exa HEXA LM23H OR Celeste LM07 WIPRO OR EQUIVALENT	5	EA	4,000.00	20,000.00
g)		Supply, installation, testing & commissioning of Surface/suspended LED Light Fixture with Round and opal diffuser contributing towards impudent identity and delivers an aesthetically appealing for minimum 36 W with power supply / Driver,Mounting Kits with all necessary accessories. approx 600 mm dia .Philips or equivalent Make .The fixture shall be duly approved by engineer incharge. To be used for VIP Lounge area/Cafeteria (800-900 MM Dia/ Hexagon)Orbit LM23O Wipro or equivalent	10	EA	9,500.00	95,000.00
h)		Supply, Installation ,Testing and Commissioning of recessed/ surface mounted hanged profile ceiling LED light 1200 mm with driver, PureLine Slim Connectors IN Y/L/T Decorative Shapes 50mm aluminium extruded linear fixtures to align the linear lighting layout with the office architecture.20/30 Watt, 230V .Lighting fixture shall be supplied with all necessary parts required to assemble .wipro/Philips or equivalent Make.Considered for corridors, VIP floor.	72	EA	4,500.00	3,24,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
i)		Supply ,Installation ,Testing and Commissioning of approx 7.5 W LED Mirror Lighttt fixture with driver all necessaries accessories Philips or Equivalent make.The fixture shall be duly approved by engineer incharge	13	EA	2,500.00	32,500.00
		Earthing System:				
20		The representative of the agency shall measure and submit the test report of the earth directly to the Architect and one copy to the EIC.				
i		Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 3.5 metre long etc. with charcoal/ coke and salt as required.(depth of earthing should be 4 mtr deep)	2.0	Nos.	14,500.00	29,000.00
ii		S.I.T.C. Of 2nos 16 Sq.mm. FRLS PVC copper wires in 19mm rigid PVC conduit from earth pit to UPS output D.B. Making tight connection with spring & ring washers in both earth pits and both end of MCCB box in meter room	100.0	Mtr.	180.00	18,000.00
iii		S.I.T.C. Of heavy gauge G.I. Pipe type earth pit as per I.S. 3043 and with above accessories (i.e. Concrete chamber with metallic cover, watering gunnel etc.) must be provided.	2.0	Nos.	9,000.00	18,000.00
iv		S.I.T.C. Of 1nos 4 Sq.mm. FRLS PVC copper wires in 19mm rigid PVC conduit from copper plate earth pit to UPS output D.B. Making tight connection with spring & ring washers in both earth pits and both end of MCCB box in meter room	100.0	Mtr.	70.00	7,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
21		S.&I. Of Metallic Boxes with Steel Surface Plates fixed with Steel Screws				
i		12" x 12" size	60.0	Nos.	1,000.00	60,000.00
ii		6" x 6" size	60.0	Nos.	800.00	48,000.00
22		S.&I. Of GI Trunking with cover plate & other accessories. Legrand/Precision Make (including chipping of floor if required for maintaining level)				
i		S.I.T.C. Of 300 x 38 mm GI trunking system with all accessories	50.0	Mtr.	1,850.00	92,500.00
ii		S.I.T.C. Of 150 x 38 mm GI trunking system with all accessories	400.0	Mtr.	1,541.00	6,16,400.00
iii		S.I.T.C. Of 100 x 38 mm GI trunking system with all accessories	300.0	Mtr.	1,031.00	3,09,300.00
		Public Address System				
		(Make: BOSCH / HONEYWELL / ATIES)				
23		Supplying, installation, testing & commissioning of 1.5/3/6W ceiling speaker complete as required.	24	Nos	1800	43,200.00
24		Supply installation, Testing & Commissioning of RMS 100w Power amplifier, battery voltage 24Vdc (max. 10% deviation) Frequency response 60Hz to 15kHz (+1/- 3dB) Inputs XLR & Phone Jack, SIN >85dB, as per detailed technical specification etc as required	1	Nos	65000	65,000.00
25		Supply installation, Testing & Commissioning of RMS 480W Mixer Amplifier, battery voltage 24Vdc (max. 10% deviation) Frequency 50Hz to 18kHz (+1/-3dB), Inputs 4 balanced inputs / 3 stereo line, Sensitivity 1.0mV (mic. inputs), SIN >75dB, as per detailed technical specification as required	1	Nos	75000	75,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
26		Supplying and drawing of cable Fire Retardant PVC insulated copper conductor cable including the surface / recessed pvcl conduit of following pairs, cores and size including connections and interconnections etc. as required.				
a		Speaker cable Single pair, 2-core, 1.5 sqmm	400	Mtr	90	36,000.00
27		Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required	50	Mtr	150	7,500.00
III		HVAC WORK				
1		Supply, Assembly, Erection, Testing and Commissioning of Ceiling Mounted, Variable refrigerant (Gas R410) volume/flow modular type ductable type Indoor unit with remote along with its outdoor unit, etc. complete as required. The capacity of unit shall be 8.5 TR				
		Outdoors units shall be compact air cooled type				
		The outdoor units must be suitable for up to 225m refrigerant piping between outdoor unit & the farthest indoor units. Allowable level difference between outdoor unit & indoor units shall be 90 m in case of outdoor unit on top & 50 m in case of outdoor unit at bottom.				
		Outdoor unit shall have function of controlling evaporative refrigerant temperature to avoid cold draft, excessive cooling & for better energy efficiency.				
		The ODU must deliver COP of minimum 4.70 at 50% load.	1	each	2,00,703.36	2,00,703.36
		AIR DISTRIBUTION WORK FOR AC				
2		Sheet Metal Duct:				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
2.1		Supply, installation, balancing and commissioning of Factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
a)		Thickness 0.63 mm sheet (24 G)	1484.569	Sqm	1,000.00	14,84,568.53
b)		Thickness 0.80 mm sheet (22 G)	500	Sqm	1,350.00	6,75,000.00
2.2		Supply, installation, balancing and commissioning of Site/fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
a)		Thickness 0.63 mm sheet (24 G)	20	Sqm	1,650.00	33,000.00
3		Supplying, fixing. testing commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, in accordance with approved shop drawings and specifications complete as required.	24	Sqm	7,500.00	1,80,000.00
4		Supplying & fixing of powder coated extruded aluminium Supply Air Grills with aluminium volume control dampers as per specifications.	25	Sqm	10,000.00	2,50,000.00
5		Supplying & fixing of powder coated extruded aluminium Return Air Grills without volume control dampers complete as required.	30	Sqm	6,500.00	1,95,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
6		Supplying, fixing testing commissioning of supply air diffusers of powder coated aluminium with aluminium volume control dampers with anti smudge ring & removable core	25	Sqm	14,000.00	3,50,000.00
7		Supplying, fixing testing commissioning of Return air diffusers of powder coated aluminium without volume control dampers with anti smudge ring & removable core.	30	Sqm	9,000.00	2,70,000.00
8		Supplying, installing and testing of extruded Aluminium Louvers with bird screen in accordance with approved shop drawings and specifications complete as required.	2	Sqm	7,500.00	15,000.00
9		Supply installation testing and commissioning of VAV box complete with leakage proof damper, differential pressure sensor, motorized al constructed damper, actuator, thermostat with temperature sensors, 24V power supply and controller capable to accept analogue /digital signal from thermostat.				
9.1		VAV boxes shall be suitable for following air flow capacities.				
a		1-500 CFM	12	Nos	20,000.00	2,40,000.00
b		550-1000 CFM	12	Nos	20,500.00	2,46,000.00
c		1050-1500 CFM	12	Nos	21,500.00	2,58,000.00
d		1550-2000 CFM	2	Nos	22,500.00	45,000.00
e		2050-2500 CFM	2	Nos	23,500.00	47,000.00
10		Supplying, fabricating, installing and testing of fire retardent double Canvas Flexible Connection 150mm wide for constructed of Silicone Coated (Both Side) Fiberglass Cloth material as per the drawings/specifications.	20	sqm	2,700.00	54,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
11		Supply and fixing of Acoustic lining of supply air duct and plenum with 25 mm thick resin bonded glass wool having density of 32 kg/m ³ , with 25 mm X 25 mm GI section of 1.25 mm thick, at 600 mm centre to centre covered with Reinforced Plastic tissue paper and 0.5 mm thick perforated aluminum sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications.	30	Sqm	800.00	24,000.00
12		Supplying and fixing of following thickness duly factory laminated GC faced closed cell Nitrile rubber (class "O") insulation on existing duct after applying two coats of cold setting adhesive (CPR X compound). The joints shall sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.				
a		19 mm	1800	Sqm	850.00	15,30,000.00
		VENTILATION SYSTEM				
		VENTILATION EQUIPMENTS				
13		Inline Fans (Accoustically Insulated)				
		Supply, installation, testing and commissioning of ducted Inline Fans of GSS construction duly powder coated (rectangular box type for upto 20 mm WG SP and circular type for 10 mm WG SP) with centrifugal blower and motor encased in sheet metal casing, canvas connection etc. The Fan motor shall be suitable for operation on 220 V $\pm$ 10%, 50 Hz, 1 phase AC supply. The Fan assembly shall conform to specifications and in accordance with requirements of drawings and Schedule of Quantities.				



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
c		Air Quantity : 200 CFM				
		Static Pressure : 20 mm wg				
		Motorrating : As Required	2.00	No.	9,500.00	19,000.00
d		Air Quantity : 100 CFM				
		Static Pressure : 20 mm wg				
		Motorrating : As Required	16.00	No.	7,500.00	1,20,000.00
14		GI Propeller Fans				
		Supplying, installing, testing and commissioning of direct driven PROPELLER FANS .No. fan shall be complete with permanent split capacitor or shaded pole motor, mounting plate with light weight type GI impellers with aerofoil contours for high efficiency & low noise & gravity louvers for weather protection as required. Fan selection arrangement and Electrical characteristics shall be as follows :				
a		Air Quantity : 225 mm Dia , 3 mm St. Pr., 900 RPM or as per OEM, fan suitable for 220± 5% volts 50 cycles, 1 phase AC Power supply as Required	2.00	No.	3,500.00	7,000.00
		FIRE ALARM				
		(Make: NOTIFIER / EDWARDS / RAVEL / SIEMENS)				
15		Supply, Installation, Testing & Commissioning of Analog Addressable type Multi Sensing (Photo+Heat) detector with standard mounting UL listed base, LED, complete with MS Powder coated Junction Box for mouting on Surface / on False Ceiling etc. It should also be capable of full digital communications with the fire alarm panel, complete as required.	100	each	4,620.99	4,62,099.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
16		Supply, Installation, Testing & Commissioning of UL Listed & FM Approved Addressable multi-criteria detector combining 3 Fire signatures (Smoke + Heat + CO) with standard mounting UL Listed base, LED, Address Switch, complete with MS Powder coated Junction Box for mouting on Surface / on False Ceiling etc.It should also be capable of full digital communications with the fire alarm panel, complete as required.	6	each	8,599.49	51,596.94
17		Supplying, assembling, erection, testing & commissioning of Response Indicator which consists of steady glowing LED. This LED shall be mounted within a M.S. box and connected in parallel to the built in indicator of the detector as per specifications. The RI shall come "ON" as soon as the detector activates complete in all respects as per direction of Engineer in Charge	50	each	170.05	8,502.50
18		Supplying, laying, testing and commissioning of following sizes of Low Smoke Zero Halogen Silicon Insulated Fire Survival Cable with Drain Wire, solid copper conductor cable approved by LPCB as per BSEN 50200:2015 PH 120 (Fire, Mech Shock & Water 120 Minutes @ 830 deg Celcius, Fire & Mech Shock every 5 Min for 2 Hours- Both test conducted on same sample) and BS-6387 CWZ The cable shall sustain 950 deg. C. For 3 hours approved along with accessories/ termination glands and all necessary materials to complete. The cable shall be approved for. The cable shall be BS EN 60332-1-2:2004 for Bunched Flame Retardancy (installed as a single or bunched cable self extinguishes leaving the upper cable sheath unaffected showing the cable does not propagate fire). Cable shall be guaranteed for 10 years from the	1000	rmt	231.81	2,31,810.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		date of manufacture marked on the cable.				
19		Supply, Installation, Testing & Commissioning of Ceiling Mounted Voice Evacuation Speaker having power taps upto 6W (6/3/1.5W) and cable tags and Ferruling etc. complete as required. Complete Aluminum grille and Metal baffle, line matching transformer 100/70V line.	36	each	2,881.20	1,03,723.20
IV		NETWORKING WORK				
		IP PABX (IP COMMUNICATION SERVER)				
		Item includes installation , commisioning and testing of system and also 1 years warranty				
1		Pure IP Gateway Architecture 200 License SIP Extensions, Ethernet LAN Port-1, Ethernet WAN Port-1, Audio In/Audio out Ports, SD Slot, USB Port, Rack Mountable. 1 PRI Gateway, 8 Port Call recording key, 4 Port FXO Gateway Expandable up 500 SIP Extensions by adding License Key. Hybrid IP PBX with Interface cards Architecture not acceptable. 1 Year Support Pack	1	NO	6,52,500.00	6,52,500.00
		Brands: Cisco, Mytel, Matrix , NEC				
2		SIP Phone SNOM D862 for Large 5" IPS Color display USB 2.0 High speed Connection 8 Programmable multicolor Function Keys Optimized Noise reduction No Cradle Switch in phone. Sensor based	12	NO	19,000.00	2,28,000.00
3		SIP Phone SNOM D717 Integrated ambient light sensor · Automatic backlight dimming · Wide screen graphical TFT display · 3 self-labeling function keys · Wideband hands-free talking (speakerphone) · Digital Signal Processor (DSP) enhanced audio quality · 2-port Gigabit Ethernet switch (RJ45) Power over Ethernet IEEE 802.3af, Class 2 · USB headset(1)	38	NO	9,500.00	3,61,000.00



S. No	DSR Item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		ready · D7 Expansion Module(1) ready · Support for USB WLAN stick(1) · Electronic Hook Switch (EHS)(1) support for wireless headsets · Dual-angle footstand: 46° and 28° Brands: Cisco, Mytel, Snom				
4		SIP Phone SNOM D120 Entry VOIP Phone 2 SIP identities · Low power consumption (PoE) · Backlit graphical display · 360 degree call/message indicator · 4 context sensitive function keys + 5 function keys Graphical Display 132 x 64 pixels with backlight · Single position footstand 35 ° · Wall mountable (1) · Hands-free talking Speakerphone) · Digital Signal Processor (DSP) enhanced audio quality · 2-port 10/100 Mbps Ethernet switch (RJ45) · Power over Ethernet IEEE 802.3af, Class 1 · SHA-2 based secure provisioning Brands: Cisco, Mytel, Snom	150	NO	4,500.00	6,75,000.00
5		Console at Reception D785 with 18 Key 03 Module	1	NO	63,000.00	63,000.00
		Networking Passive For IP PABX/Wifi/CCTV/LAN-Internet				
		Networking items Passive/ active items includes all ferulling, ties, labeling, steel wires fixing and testing commisioning, GI boxes, wall or floor mounting complete.				
1		CAT6 UTP Cable Box 305 Meter	40	NO	8500.00	3,40,000.00
2		CAT6 1G I/O	375	NO	200.00	75,000.00
3		Face Plate dual with all box, cover plate complete	275	NO	125.00	34,375.00
4		Face Plate single with all box, cover plate complete	160	NO	100.00	16,000.00
5		48 Port Patch Panel (Cisco, Aruba, juniper Makes)	6	NO	7500.00	45,000.00
6		Networking Switch(48 Port - MANAGED) CISCO 48 Port- C2960L-48TS (Makes: Cisco, Aruba, Juniper)	4	NO	65000.00	2,60,000.00
7		Networking Switch(24 Port - MANAGED) CISCO 24 Port- C2960L-	6		48000.00	2,88,000.00



S. No	DSR item No	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
		24TS (Makes: Cisco, Aruba, Juniper)				
8		Patch Cord-1 Meter	413	NO	220.00	90,860.00
9		Patch Cord-2 Meter	413	NO	270.00	1,11,510.00
10		Ethernet RJ45 Connector-Pack of 100 either Molex or Commscope	10	NO	1600.00	16,000.00
11		48U Rack with 4 Fan Set, 3x5/15Amp PDU, Hardware, Earthing Kit, Front Glass Door, Lock	4	NO	25000.00	1,00,000.00
12		24U Rack with 4 Fan Set, 2x5/15Amp PDU, Hardware, Earthing Kit, Front Glass Door, Lock-	2	NO	20000.00	40,000.00
13		6 Core MM Armoured OFC OM3 Cable	200	RMT	350.00	70,000.00
14		Providing and fixing PVC Conduit 25mm bundles-(1Bundle 25 Pipes)	60	NO	5500.00	3,30,000.00
15		MDF Krone Box with Krone module (50 Pair)For Telephone Points	6	NO	3500.00	21,000.00
		Sub-Total for Civil Works				1,90,07,292.67
		Sub-Total for Electric Works				50,65,353.80
		Sub-Total for HVAC Works				71,01,003.53
		Sub-Total for Networking Works				38,17,245.00
		Total for Schedule B				3,49,90,895.00
		Grand Total (Schedule A + Schedule B)				5,30,87,422.00

