



OIL AND NATURAL GAS CORPORATION LIMITED

Engineering Services

Western Onshore Basin

Makarpura Road, Vadodara, Gujarat

Tel.No.: 0265-2603607, 2603479 FAX: 0265-2638855

No.: VDA/WON/SUPPORT/HES/2025/Civil/BC5AC24007		Date: 24.02.2025
From: Vikas Kumar Kulshreshtha, GM (E), Head – Engineering Services, WON Basin, Vadodara		
To:	Kind Attn.:	
M/s Ramakanti Infracon and Engineers Pvt. Ltd. 31, Dadunagar Society, Tarsali Road, Tarsali, Vadodara– 390009 (Gujarat) Email: sales@ramakanti.com	Mr. Rakesh Tripathi	
Sub.: NOTIFICATION OF AWARD (NOA) cum Work Order of Contract “Upgradation & Repair Works for ONGC Officer’s Club in WON Basin, ONGC, Vadodara” against ONGC Tender No. BC5AC24007		
1. Our Tender Document No. BC5AC24007. 2. Your Techno-Contractual Bid response no. 807421 submitted on GePNIC-CPP Portal and opened on 14.01.2025, along with clarifications / deficient documents sought by ONGC and submitted by you. 3. Our communication dated 17.02.2025 intimating Price Bid Opening scheduled on 17.02.2025. 4. Your price bid/offer opened on 17.02.2025. 5. All other correspondences against this tender till date in the ONGC e-Tender portal / e-mail.		

Sir(s),

- 1.0 Oil And Natural Gas Corporation Limited (ONGC) is pleased to place this Notification Of Award (NOA) cum Work Order on “M/s Ramakanti Infracon and Engineers Pvt. Ltd.” with address, 31, Dadunagar Society, Tarsali Road, Tarsali, Vadodara– 390009, Gujarat, for execution of Contract “Upgradation & Repair Works for ONGC Officer’s Club in WON Basin, ONGC, Vadodara” against ONGC Tender No. BC5AC24007 with the Scope of Work and on the terms and conditions as detailed in ONGC’s Tender/Bidding documents and subsequent letters / notifications / e-mails / faxes issued by ONGC as in reference above and offer and letters of M/s Ramakanti Infracon and Engineers Pvt. Ltd. referred as above, at your quoted percentage rate, i.e., (-) 20.07% below the Estimated Cost put to Tender, amounting to Rs. 6,19,96,921.92 (Rupees Six Crores Nineteen Lakhs Ninety Six Thousand Nine Hundred Twenty One and Paise Ninety Two only) which is inclusive of GST at the rate of 18% above basic cost.
- 2.0 The duration of the Contract is 6 (Six) months including any monsoon to be reckoned from 7th day of the date of issue of LOA cum work order, or, from date of handing over of the site, whichever is later.
- 3.0 M/s Ramakanti Infracon and Engineers Pvt. Ltd. (the Contractor) shall furnish Performance Security for a sum of Rs. 61,99,693/- (Rupees Sixty One Lakhs Ninety Nine Thousand Six Hundred Ninety Three Only) equivalent to 10% (ten percent) of the contract value within 15 days from the date of this Notification Of Award (NOA) cum Work Order, i.e., by 11.03.2025 in line with para. 10.0 of GCC for due performance of the Contract. The provisions of clause 36 of the Instructions to Bidder shall be applicable for submission of Performance Security. This Performance Security shall be valid initially for a period to cover the Scheduled Completion period for the works plus defect liability period of 1 year plus sixty (60) days claim period, as per NIT.

NOA No. VDA/WON/SUPPORT/HES/2025/Civil/BC5AC24007

Vikas K Kulshreshtha
Vikas K Kulshreshtha
GM-Head Engineering Services
पश्चिमी अभिलेख द्रोणी, ओएनजीसी, वडोदरा-9
WON Basin, ONGC, Vadodara-9



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- 4.0 Failure in submission of PBG shall constitute sufficient grounds for annulment of award and forfeiture of Bid Security as per Clause 17.7(c) of ITB.
- 5.0 The Contractor shall be required to sign a formal detailed Contract with ONGC for which you are requested to attend this office in person on any working day along with Non-judicial Stamp Paper of Rs. 300/- for executing the Agreement within **30 (thirty) days** from the date of this Notification Of Award (NOA) cum Work Order.
- 6.0 Till such time the Formal Agreement is not executed, this LOA cum work Order shall constitute Binding Contract between ONGC & M/s Ramakanti Infracon and Engineers Pvt. Ltd. and shall be subject to all terms and conditions of the Bidding documents and other documents mentioned in reference above. The date of commencement of activities under the Contract shall be the date of issuance of this NOA cum Work Order.
- 7.0 You are requested to contact Engineer-in-Charge for taking over site for further instruction and correspondence regarding execution of the work.
- 8.0 **The effective date of Contract is the date of this Notification of Award (NOA) cum Work Order, i.e., 24.02.2025.**

Kindly acknowledge the acceptance of this Notification of Award (NOA) cum Work Order through return letter/mail.

Regards,

Vikas Kumar
24/2/2025

(Vikas Kumar Kulshreshtha)
GM (E) – Head Engineering Services
WON Basin

Encl.: Schedule-B

विकास कु कुलश्रेष्ठ / Vikas K Kulshreshtha
महा प्रबंधक-प्रधान अभियांत्रिकी सेवायें
GM-Head Engineering Services
पश्चिमी अभितट द्रोणी, ओएनजीसी, वडोदरा-9
WON Basin, ONGC, Vadodara-9

SCHEDULE-B

Name of Work: Upgradation & Repair Works for ONGC Officer's Club in WON Basin, ONGC, Vadodara

Sl. No.	Item Description	Quantity	Units	Awarded Rate	Amount
1	DEMOLITION OR OTHER ALLIED WORK				
1.01	Demolition of Road to Common Areas: Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.	404.97	Sqm	336.34	1,36,207.61
1.02	Removal of existing furniture	1.00	LS	71,937.00	71,937.00
1.03	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	29.51	Sqm	105.30	3,107.40
1.04	Demolition of existing Fountains	2.00	LS	35,968.50	71,937.00
1.05	Skating rink top surface clearance (Concrete dismantling)	30.26	Cum.	1,945.69	58,876.58
1.06	Basketball top clearance (Concrete dismantling)	30.69	Cum.	1,945.69	59,713.23
1.07	Children's play area clearance (Surface dressing)	469.08	Sqm	27.29	12,801.19
1.08	Removal of Door & Window (auditorium, squash, toilets)	83.00	nos	293.50	24,360.50
1.09	Squash Area : Removal of stone Flooring	53.79	Sqm	212.97	11,455.66
1.10	Auditorium- Removal of existing false ceiling	275.62	Sqm	45.04	12,413.92
1.11	Auditorium- Removal of existing acoustic panel, stage flooring, HVAC	1.00	LS	71,937.00	71,937.00
1.12	Removal of debris & site clearance	2461.22	sqm	14.06	34,604.75
1.13	toilet- removal of existing tile	386.65	Sqm	58.94	22,789.15
1.14	Removal of sanitary fittings (7-Toilets) including stacking material within 50 metre lead as per Direction of Engineer-in-Charge.	1.00	LS	23,979.00	23,979.00
2	EARTH WORK				
2.1	Earth work in excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m , including geeting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m. upto 1.5m	506.00	Cum.	141.87	71,786.22
2.2	Earth work in excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains, including dressing of sides and ramming of bottoms, lift upto 1.5m , including geeting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m. 1.5m to 3m	295.00	Cum.	141.87	41,851.65
2.3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layers by ramming and watering, lead up to 50 and for all lift.	285.00	Cum.	156.66	44,648.10
2.4	Supplying and filling in plinth with sand under floors , including watering , ramming , consolidating and dressing complete.	118.00	Cum.	1,697.51	2,00,306.18
3	CONCRETE WORK				
3.01	Filling in foundation and plinth with Rubble Soling in layers of 20cm. thickness including watering, ramming and consolidating etc. complete as per directed by engineer in-charge.	228.00	Cum.	399.65	91,120.20
3.02	Providing and laying cement concrete. 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm (nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	185.00	Cum.	6,297.28	11,64,996.80
3.03	Carrying out anti-termite treatment with anti-termite chemicals like aldrin, heptachlor, chlorophyriphos 20 EC in three parts i.e. at foundation level, at plinth level and at periphery of the building (after completion and during work of plinth protection) as per IS : 6313 (Part I - III)-1981, 1st revision, as directed.	337.00	Sqm.	247.82	83,515.34
3.04	Reinforced Cement Concrete Work in Beam, Suspended Floors , Roofs having Slope Up to 15 Degree Landing, Balconies, Shelves, Chajjas , Intels And Bands plain Windows Sills , Staircases and Spiral Staircase above plint level up to Floor Five level , Excluding the cost if centering, Shuttering , Ffinishing and Reinforcement with 1:1.5:3 (1 Cement : 1.5 Coarse sand (Zone - III) Derived from Natural Sources : 3 Graded Stone Aggregate 20mm Nominal Size Derived From Natural Sources.	205.00	Cum.	7,230.26	14,82,203.30
3.05	Supplying and fixing in position TMT FE - 500D grade steel reinforcement for RCC structures as per design including transporting steel to the work site, handling, cutting, bending and binding with wires, welding if necessary etc. for all floors/levels complete as directed by Engineer. Measurement will be made on the length basis and converted into weight by using standard IS co-efficient (rolling margin's and wastage will not be paid). The rate shall be inclusive of PVC cover or Chairs, spacers , separators and binding wire-1 mm thick	48997.30	Kg.	86.20	42,23,567.26
3.06	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 oarse sand (zone III) derived from natural resources 6 graded stone aggregate 20 mm nominal size derived from natural resources) over 75mm thick bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including necessary excavation levelling and dressing and finishing the top smooth	228.00	sqm	598.91	1,36,551.48
3.07	Centering and shuttering- including strutting,propping etc. and removal of form for Foundations, footings,bases of columns,etc. for mass concrete	36.00	Sqm.	313.44	11,283.84
3.08	Centering and shuttering- including strutting,propping etc. and removal of form for lintels,beams,plinth beams,girders,bressumers and cantilevers	640.00	Sqm.	673.41	4,30,982.40
3.09	Centering and shuttering- including strutting,propping etc. and removal of form for columns,pillars,piers,abutments,post and struts	31.00	Sqm.	741.15	22,975.65

Akshat Agarwal
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SE (CIVIL)

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3.10	Shuttering - Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	34.00	Sqm.	588.60	20,012.40
3.11	Shuttering - Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	45.00	Sqm.	768.36	34,576.20
3.12	Centering and shuttering of Swimming pool wall- including strutting,propping etc. and removal of form for extra for shuttering in circular work(20% of respective centering and shuttering items)	273.00	Sqm.	808.09	2,20,608.57
3.13	Centering and shuttering of Swimming pool Foundation- including strutting,propping etc. and removal of form for extra for shuttering in circular work(20% of respective centering and shuttering items)	91.00	Sqm.	376.13	34,227.83
3.14	Providing and laying 125 - 200 mm PVC Water Stopper with 5 mm thickness C NCL (Non Crackable Longitudinal) & NCT (Non Crackable Transversal) quality of PVC Water Stopper of approved thickness as per Architect or Engineer-in-charge.	56.00	Rmt.	81.52	4,565.12
3.15	Providing, applying 2 coats of High Build of anti corrosive coal tar epoxy compound of any approved make(for approx. thickness of 200 micron DFT,)on RCC surface or under ground structure, as per manufacturer's specification as per direction of engineer. Rate shall include for surface preparation,, cleaning etc. complete.	436.00	sqm	53.47	23,312.92
3.16	Providing and applying water proof cement plaster 12 to 15mm thick in C.M. 1:4 mix to all RCC & masonry work including fosrock, sika, or equivalent make waterproof chemical as per manufacturer specification, scaffolding, curing, hackinout joints in masonry or concrete work as per specification.	772.00	Sqm.	295.06	2,27,786.32
3.17	Finishing wall with water proofing cement paint of on wall surfaces (Two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powered materials.	557.00	Sqm.	93.43	52,040.51
3.18	Providing and fixing 23-25 mm thick. wooden finished Wood Polymer Composite board (WPC) floor decking (everest or equivalent conforming to BIS specifications) Hollow decking fixed with self driven screws in aluminum fabrication complete on flooring and roofing etc. all complete as per details drawing and as per specification etc. or as per direction of Engineer-in-Charge.	807.00	Sqm.	2,747.31	22,17,079.17
4	MASONRY WORK				
4.01	External wall : Brick work with common burnt clay machine moulde perforated bricks of class designation 12.5 conforming to IS:2222 in super strucutre above plint level in cement mortar 1:6 (1 cement : 6 course sand) with modular bricks	40.00	Cum.	7,278.38	2,91,135.20
5	FLOORING & FINISHING				
5.01	Providing & laying glazed mosaic flooring for plain and curved surfaces, comprising of 20 to 25 mm. size and of minimum 4 mm thick glazed tiles (one or more colours, as directed), laid over cement mortar 1:6 bedding including applying cement slurry and with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same on plain or sloped surfaces. and filling joints with white or colored cement. The rate shall include bands, external joints if different colour is used, any pattern or design as per drawing and direction, curing, cleaning with water and oxalic acid, etc. complete. (Wall to wall measurement will be considered only including vata up to 150mm height)	429.00	Sqm.	3,110.19	13,34,271.51
5.02	Cement Plaster 20 mm Cement plaster of Mix 1 : 4 (1 Cement : 4 Fine Sand) and Raised and cut poiting on Brick work or brick flooring with Cement Mortar 1 : 3 (1 White cement : 3 Fine sand)	252.00	Sqm.	573.05	1,44,408.60
5.03	Providing and laying Flamed finished Granite stone flooring in required design and patterns,in linear as well as curvilinear portion of the building all complete as per the architectural drawings with 18mm thick stone slab over 20mm(average) thick base of cement mortar 1:4(1 cement:4 coarse sand) laid and jointed with cement slury 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 engineer-in-charge.	53.00	Sqm.	2,547.12	1,34,997.36
5.04	IPS Flooring for Squash court: 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1 : 2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications and levelled to a tolerance of 3mm in radius of 2m. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	62.89	Sqm.	782.07	49,184.38
5.05	Floor Tile 2' (600mm) x 2' (600mm) Providing and laying vitrified tiles in floor in different size (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 20mm thick cement mortar 1 : 4 (1 Cement : 4 coarse sand) jointing with grey cement slurry @303 kg/sqm including grouting the joints with white cement and matching pigment etc . the Tiles must be cut with zero chipping diamond cutter only. laying of tiles will be done with the notch trowel , piler , wedge , clips of required thickness , leveling , system and rubber mallet for placing the tiles gently and easily.	357.13	Sqm.	1,161.90	4,14,949.35
5.06	Floor Tile 4' (1200mm) x 2' (600mm) Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cementand matching pigments etc., complete.	111.00	Sqm.	1,260.61	1,39,927.71
5.07	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by 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 @3.3 kg per sqm , including pointing in white cement mixed with pigment of matching shade complete.	444.00	Sqm.	1,013.23	4,49,874.12

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5.08	kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab,including rubbing and polishing complete with base of cement mortar 1:4(1 cement:4coarse sand) 25mm thick	52.00	Sqm.	1,557.23	80,975.96
5.09	kota stone slab 20mm thick in riser of steps, skirting,dado and pillars laid on 12mm (average) thick cement mortar 1:3(1cement:3 coarse sand)and jointed with grey cement slurry mixed with pigment to match the shade of slabs,including rubbing and polishing complete.	9.00	Sqm.	1,882.11	16,938.99
5.10	Providing and laying integral cement base water proofing treatment including preparation of surface as required for treatment of roofs , balconies , terraces etc consisting of following operations : (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment . (b) Laying Brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1 : 5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1 : 5 (1 Cement : 5 Coarse sand) Admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300mm height inclding rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) finishing the surface with 20 mm thick jointless cement mortar of mix 1 : 4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and Approved by Engineer - in - charge including laying glass fiber cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300 x 300 mm square 3 mm deep. (e) the whole terrace so finished shall be flooded with water for a minimm period of two weeks for curing and for final test "all above operations to be done in order and as directed and specified by the Engineer-in-charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm	186.00	Sqm.	1,346.50	2,50,449.00
5.11	Painting Of Extrior Wall : Finishing Wall With Textured extrior Paint of required Shade : New Work (Two Or More Coats applied @ 3.28 ltr/10 sqm) over And Including Priming Coat of exterior Primer Applied @ 2.20Kg/10Sqm	1305.00	Sqm.	154.82	2,02,040.10
5.12	Painting Of Interior Wall : Finishing Wall Deluxe Multi Surface Paint System For Interior And Exteriors Using Primer As per Manufactures specifications : Two or more Coats Applied on walls @ 1.25ltr/10sqm over and including one coat of special Primer Applied @0.75 ltr/10sqm	254.00	Sqm.	154.82	39,324.28
5.13	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. Granite stone slab of colour black, Cherry/Ruby red. Area of slab upto 0.50 sqm	105.00	Sqm.	4,327.01	4,54,336.05
5.14	PAVER BLOCK :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 50 mm 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 cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, complete all as per direction of Engineer-in-Charge. 60 mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	1071.00	Sqm.	835.78	8,95,120.38
5.15	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 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). (Brands: Vyara, Alcock,pavit/equivalent)	28.00	Cum.	8,086.99	2,26,435.72
5.16	Gardern Soil:-Area Preparation for lawn.Removing debris and other leveling of soil and watering	445.00	Cum.	337.30	1,50,098.50
5.17	Area preparation for semi carpet lawn and dibbling of lawn. Water the soil once and then loosen the top 1/4" with a rake (scratch surface) and watering of grass area on same day.Rate will include the supply of grass. Weeding and mowing lawn one time after one months.	1467.00	Sqm.	332.50	4,87,777.50
5.18	Supply & plantation of shrubby plants, development of bed, cultivation soil mixture and plantation of shrubby (as per plantation plan provided). Pesticide application.Good earth and farm yard manure to be added wherever it is required. - euphorbia,pendanus,etc	3412.00	nos	166.25	5,67,245.00
6	ALUMINIUM WORK				


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6.1	Providing and Fixing aluminium Work for Doors, windows , ventilators and partiton with extruded built up standard tubular section/ appropriate Z section and other Section of approved Make Conforming to IS : 733 and IS : 1285 , Fixing with dash fasteners of required dia and size , including necessary filling up the gaps at junctions , i.e at top , bottom and sides with required EPDM rubber/neoprene gasket etc . Aluminum sections shall be smooth , rust free , straight , mitred and jointed mechanically wherever required including cleat angle , aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws , all complete as per architectural drawing and the direction of Engineer-in-charge. (Glazing , Paneling and dash fasteners to be paid separately.): For Fixed Portion For Ventilation : Anodised aluminium (anodised Transparent or dyed to required shade according to IS : 1868 , minimum anodic coating of Grade AC 15)	231.23	KG	431.50	99,775.75
6.2	Providing and Fixing aluminium Work for Doors, windows , ventilators and partiton with extruded built up standard tubular section/ appropriate Z section and other Section of approved Make Conforming to IS : 733 and IS : 1285 , Fixing with dash fasteners of required dia and size , including necessary filling up the gaps at junctions , i.e at top , bottom and sides with required EPDM rubber/neoprene gasket etc . Aluminum sections shall be smooth , rust free , straight , mitred and jointed mechanically wherever required including cleat angle , aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws , all complete as per architectural drawing and the direction of Engineer-in-charge. (Glazing , Paneling and dash fasteners to be paid separately.): For Shutters of Doors , Windows & ventilation including the cost of EPDM Rubber/neoprene Gasket required (fittings shall be paid separately) Polyester Powder Coated aluminium (minimum thickness of polyester power coating 50 Micron)	128.00	KG	514.30	65,830.40
6.3	Providing and fixing glazing in aluminium door, windows , ventilator shutters and partition etc . With EPDM Rubber/ neoprene gasket etc. Complete as per the architectural drawings and the direction of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item) : With float glass panes of 4.0 mm thickness (weight not less than 10 kg/sqm)	55.27	SQM	940.61	51,987.51
7	Flush Door : Providing and fixing ISI marked Flush Door Shutters conforming to IS : 2202 (part 1) Decorative type, Core of block board constructure with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : 35 mm thick including ISI marked stainless steel butt hinges with necessary screws	44.00	Sqm.	2,776.64	1,22,172.16
8	Amphitheater steps: Providing and fixing steps in Steel Work Fabrication (built up sections/ framed work , including cutting, hosting, fixing in position) with MS pipe main frame of store and steps as per design along with necessary necessary hardware material, labour charges, accessories and fittings as per design. The item cost is inclusive of providing and application of Red Oxide Primer and 2 coats of Black Oil Paint for the structural work.	301.59	Sqm.	1,508.27	4,54,879.15
9	Sloping roof at Change Room building: Providing and fixing roof in Steel Work Fabrication (welded in built up sections/ framed work , including cutting, hosting , fixing in position) along with necessary accessories and fittings as per given design structure pillar framing, roof with GI sheet, Insulation, steel work as per design with necessary hardware materials & labour. The item cost is inclusive of providing and application of Red Oxide Primer and 2 coats of Black Oil Paint for the structural work.	63.28	Sqm.	3,651.20	2,31,047.94
10	Store Room Near Skating Rink : Designing, providing, installing and fixing factory finished custom designed cold form Light Gauge Steel Framed non-load bearing structure comprising of steel wall panel, brassing etc manufactured out of minimum 0.7 mm thick steel sheet as per design requirements. The steel sheet shall be galvanized (AZ 150gms Aluminium Zinc Alloy coated steel having minimum yield strength 300-550 Mpa) conforming to AISI specifications and IBC 2009 for cold formed steel framing and construction and also as per IS: 875-1987, ISO 800-1984 and IS:801- 1975. Proper usage of Connection Accessories like Anchor fasteners. The framing section shall be cold form C-type having minimum web depth 89 mm x 39mm flange x 11mm lip in required length as per structural design requirement duly punched with dimple/slot at required locations as per approved drawings. The slots will be along centre line of webs and shall be spaced minimum 250mm away from both ends of the member. The frame can be supplied in panelised or knock down condition in specific dimensions and fastened with screws extending through the steel beyond by minimum of three exposed threads. All self-drilling tapping screws for joining the members shall have a Type II coating in accordance with ASTM B633(13) or equivalent corrosion protection of gauge 10 & 12, TPI 16 & 8 of length 20mm. The frames shall be fixed to RCC slab or Tie beam over Neoprene rubber using self-expanding carbon steel anchor bolt of Dia as per approved drawings. The rate includes the concept design, detailed design, fabrication of sections, installation and all required fixing arrangement at site as described above. Providing and fixing of external wall system on Light gauge steel frame work with outer face cement boards as per standard sizes fixed with self- drilling / tapping screws / fasteners @ 20cm c/c of approved make. A groove of 2 mm to 3mm shall be maintained. The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm and. On outer surface minimum 8mm thick fibre cement board & 8mm thick fibre cement board plank must be installed with above stated procedure. Internal face 8mm thick fibre cement board shall be fixed and above that 12.5 mm thick gypsum plaster board fixed on cement board as per standard sizes fixed with self- drilling / tapping screws / fasteners @ 20cm c/c of approved make, proper taping and jointing to be done using fibre mesh/paper tape and acrylic based jointing compound for seamless finish.	92.96	Sqm.	5,221.02	4,85,346.02

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11	Providing and fixing MS openable Gate as per design size (4.2m(L) x 1.5m(H) in Steel Work Fabrication (welded in built up sections/ framed work , including cutting, hosting , fixing in position) as per given design with necessary accessories, fittings, hardware material & labour. The item cost is inclusive of providing and application of Red Oxide Primer and 2 coats of Black Oil Paint for the structural work.	275.00	kg	164.93	45,355.75
12	TOILET PARTITION				
12.1	Toilet Partition :-BESCO CUBICLE ZMS BLACK 2003MM : Thickness of Compact Laminate : 12mm Color of HPL Boards: Single Standard Compact Color Special Remarks For Customization : Size of Cubicle : As per Drawing (W) x (D) x 2003mm (H) Door Size : 1750mm (H) x 600mm (W) Divider Size : 1820mm (H) Accessories: Standard- Merino Make Aluminum, Nylon Polyamide 6 accessories)- BLACK a) Aluminum "U" Channel b) Aluminum "F" Channel (Only Corner Unit) c) Aluminum Door Stopper Channel d) Aluminum Top Rail e) Nylon Coat Hook f) Nylon Privacy Thumb turn c/w Occupancy Indicator g) Nylon Door Knob h) Nylon Gravity Hinges Left/Right-Gravity to Close i) Nylon Adjustable Foot j) Rubber Door Stopper Lining k) Screws & Wall Plugs SPECIAL NOTE- Warpage Criteria is 3.0 mm/1000mm for MRS panels as per EN standard- 438.	30.00	Nos.	30,757.86	9,22,735.80
12.2	Urinal Partition:-Thickness of Compact Laminate : 12mm Color of HPL Boards: Single Standard and Plain Compact Color Special Remarks For Customization : N/A Size of UMP : 500mm (W) X 1200mm (H) Overall Height Of UMP : 1850mm (Including bottom Gap of 650mm) Accessories: Standard- Merino Make Stainless Steel- 304 Grade accessories)- SS a) SS Right Angle Brackets b) Screws & Wall Plugs SPECIAL NOTE- Warpage Criteria is 3.0 mm/1000mm for MRS panels as per EN standard- 438.	8.00	Nos.	5,442.43	43,539.44
12.3	Sign boards for MEN and Women Changing Room, Squash Room and Pump Room	7.00	Nos	417.23	2,920.61
13	POOL ACCESSORIES				
13.1	Swimming pool overflow drain grating : Providing, supplying & fixing Overflow grating 300 mm ABS in white ABS material to recirculate the water at the bottom of the pool Located in the deepest part of the pool, the drains collect water from the bottom so it can be filtered from the pool.	59.00	Rmt.	2,383.51	1,40,627.09
13.2	Providing, supply and fixing of Swimming pool Furniture Pool Lounger Chair	12.00	Nos	15,884.70	1,90,616.40
13.3	Providing, supply and fixing of GARDEN UMBRELLA (aluminium frame marble base 50kg size 7x7ft)	6.00	Nos	18,075.69	1,08,454.14
14	FILTRATION EQUIPMENT				
14.1	DISCOVERY Self Priming Pumpset with built-in pre filter with transparent lid, carbon-ceramic mechanical seal, stainless steel shaft, rated speed 3000 RPM 440V, 50Hz. Rated flow 45m3/hr @ 12 meter head. 2.98kW / 4.5Hp. Model DY400T (One working + One Standby)	2.00	Nos	1,65,968.25	3,31,936.50
14.2	1400mm dia Vertical Bobbin Wound FRP filters, the inner distribution system and under bed draw off system shall be of hub and lateral type. The filter shall be equipped with man-hole, manometer, air drain, water/sand draining hole, inlet/outlet with flanges and minimum working pressure of 2.5 Kg/ cm2 with frontal piping, five 110mm butterfly valves, manometer, pipe supports and media Design velocity 30 M3/ M2/HR	1.00	Nos	4,70,242.57	4,70,242.57
15	AUTOMATIC CHEMICAL DOSING				
15.1	GRUNDFOS CHLORINE dosing system with an electronic positive displacement diaphragm dosing / metering pump with a variable flow rate equipped with a stepper motor. The dosing pump liquid ends will be in PVDF. Suction & discharge tubing in PE. The dosing pump is compatible to run on pulse from a external device and also has a auto / manual switch. All four valves equipped with a double ceramic type NRV system. The dosing pump is also equipped with a degassing valve. Capacity 15 litre per hr @ 3 Bar with all accessories like injection fitting, tubing & suction filter etc.complete.	1.00	Nos	1,07,326.00	1,07,326.00
15.2	LLDPE grundfos 100L transparent, UV stabilized tank with graduate scale, with suction lance and level controller and emission kit	1.00	Nos	71,919.41	71,919.41
15.3	GRUNDFOS ACID dosing system for pH correction with an electronic positive displacement diaphragm dosing / metering pump with a variable flow rate equipped with a stepper motor. The dosing pump liquid ends will be in PVDF. Suction & discharge tubing in PE. The dosing pump is compatible to run on pulse from a external device and also has a auto / manual switch. All four valves equipped with a double ceramic type NRV system. The dosing pump is also equipped with a degassing valve. Capacity 15 litre per hr @ 3 Bar with all accessories like injection fitting, tubing & suction filter etc.complete.	1.00	Nos	1,07,326.00	1,07,326.00
15.4	LLDPE grundfos 100L transparent, UV stabalized tank with graduate scale, with suction lance and level controller and emission kit	1.00	Nos	71,919.41	71,919.41

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15.5	EMEC MAKE microprocessor controlled digital automatic ORP (chlorine) and pH regulating monitoring and controlling system. The controller has adjustable set points, high low alarms, overfeed safety timer & on/off, impulsive proportional and proportional PWM mode capability. The controller emits variable pulse output (0-180 pulses) to control sanitizer and pH dosing pumps. The controller will include necessary sensors (Rx, pH), analysis cell, sensor holder and calibration solution. Model LDPHRR	1.00	Nos	2,76,612.95	2,76,612.95
16	WHITE GOODS (POOL BASIN EQUIPMENTS)				
16.1	ABS floor inlets	10.00	Nos	1,095.84	10,958.40
16.2	ABS Suction inlets with wall conduit	1.00	Nos	1,095.84	1,095.84
16.3	Stainless Steel 500 x 500mm drain grates	1.00	Nos	35,056.49	35,056.49
17	MAINTENANCE EQUIPMENT / ACCESSORIES				
17.1	DAB / Equivalent Self Priming Pumpset with built-in pre filter with transparent lid, carbon-ceramic mechanical seal, stainless steel shaft, rated speed 3000 RPM 220V, 50Hz. Rated flow 22m3/hr @ 9 meter head. 1.1kW / 1.5Hp. Model EUROSWM 150	1.00	Nos.	1,11,741.34	1,11,741.34
17.2	600mm S.S. vacuum head with brush and wheels	1.00	Nos.	14,789.44	14,789.44
17.3	Self floating hose 25 mtrs, 38mm dia	1.00	Nos.	10,681.84	10,681.84
17.4	Telescopic pole 9 mtrs	1.00	Nos.	5,258.59	5,258.59
17.5	Deep Net	1.00	Nos.	1,150.99	1,150.99
17.6	Curved Brush 24"	1.00	Nos.	1,479.50	1,479.50
17.7	Surface Net	1.00	Nos.	1,479.50	1,479.50
17.8	Test Kit for CL & pH measurement	1.00	Nos.	1,095.84	1,095.84
18	SWIMMING POOL - LIGHTING				
18.1	PU9 niche fixture Warm White in (3200 Kelvin colour temperature) PAR 56 type LED Under water light 12VAC/65W, 120 deg beam. Lux illumination 4120 lumens. Makes : TECLUMEN	6.00	Nos.	82,162.44	4,92,974.64
18.2	TECLUMEN - Mini Sub TKW Warm White LED under water light with niche, 585 lumens, 3000 Kelvin colour temperature LED Under water light 12VAC / 8W with 4 mtrs cable. IP68	8.00	Nos.	32,865.61	2,62,924.88
18.3	Deck Box / Junction Box	14.00	Nos.	1,643.36	23,007.04
18.4	Copper wound transformer 12v / 100w	6.00	Nos.	2,739.20	16,435.20
	* Cable of each light will terminate in Deck Box. Conduiting with necessary cable will then be provided till plant room where the transformers are located by the clients electrical agency.				
19	STAINLESS STEEL LADDERS				
19.1	Supply Installation of 2 treads standard ladder with anti skid step. Pipe in 304L and steps in 316L. Stainless steel ladder manufactured from SS 304 pipe and 500mm long flat step manufactured from SS 316 with anti-skid protection pattern and anchoring arrangement as per manufacturer's standards. Steps should not have any welded joints to the pipe.	1.00	Nos.	13,146.08	13,146.08
19.2	Supply installation of 4 treads standard ladder with anti skid step. Pipe in 304L and steps in 316L. Stainless steel ladder manufactured from SS 304 pipe and 500mm long flat step manufactured from SS 316 with anti-skid protection pattern and anchoring arrangement as per manufacturer's standards. Steps should not have any welded joints to the pipe.	3.00	Nos.	19,719.53	59,158.59
20	PIPING Supply, installation, joining and testing PVC pipe confirming to IS : 4985 class IV 10Kg/cm2 including all fittings such as such as bends, elbows, reducers, tees, union, coupler, tail piece flange etc.				
20.01	63mm dia	78.00	Rmt.	609.06	47,506.68
20.02	75mm dia	12.00	Rmt.	819.28	9,831.36
20.03	90mm dia	36.00	Rmt.	885.62	31,882.32
20.04	110mm dia	34.00	Rmt.	1,770.44	60,194.96
20.05	160mm dia	12.00	Rmt.	3,983.71	47,804.52
20.06	200mm dia	20.00	Rmt.	16,597.46	3,31,949.20
20.07	PVC Ball valve 63mm double union	2.00	No.s	3,419.40	6,838.80
20.08	PVC NRV 63mm double union	1.00	No.s	4,979.63	4,979.63
20.09	PVC Ball valve 75mm double union	2.00	No.s	9,279.07	18,558.14
20.10	PVC NRV 75mm double union	2.00	No.s	10,511.59	21,023.18
20.11	PVC Ball valve 90mm double union	4.00	No.s	16,775.70	67,102.80
20.12	PVC MTA Union 63mm x 2"	2.00	No.s	481.97	963.94
21	CONTROL PANEL				
21.1	Control panel	1.00	Nos.	71,208.03	71,208.03
22	SANITARY WARE Bathrooms with All Accessories and Fittings including supply and installation Make : Kohler				
22.01	Wall hung WC (365x525x400mm)	20.00	Nos.	12,624.94	2,52,498.80
22.02	METROPOLE	20.00	Nos.	3,883.79	77,675.80
22.03	2 WAY BIB COCK WITH WALL FLANGE	20.00	Nos.	2,268.41	45,368.20
22.04	JETSPRAY (1m long)	20.00	Nos.	1,560.23	31,204.60
22.05	WASH BASIN (410x410x150mm)	18.00	Nos.	5,953.18	1,07,157.24
22.06	BASIN TAP	18.00	Nos.	4,138.77	74,497.86
22.07	SHOWER HEAD (200mm dia)	5.00	Nos.	4,879.72	24,398.60
22.08	SHOWER ROD (300mm)	5.00	Nos.	918.39	4,591.95
22.09	TOWEL RODE	12.00	Nos.	1,051.87	12,622.44
22.10	SINGLE LEVER CONCEALED SHOWER MIXTURE	5.00	Nos.	3,253.15	16,265.75
22.11	TOWEL RACK (600mm long with 3 hooks)	14.00	Nos.	3,042.93	42,601.02
22.12	CORNER GLASS SHELF	5.00	Nos.	1,449.93	7,249.65
22.13	SOAP DISPENSER	18.00	Nos.	1,472.31	26,501.58
22.14	TOILET ROLL HOLDER	20.00	Nos.	764.13	15,282.60
22.15	Bottle trap (250x190 long)	18.00	Nos.	1,815.21	32,673.78
22.16	NANI TRAP (110x110mm)	44.00	Nos.	387.66	17,057.04

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22.17	URINAL WITH FIXING ACCESSORIES (385x325x635mm)	19.00	Nos.	7,502.22	1,42,542.18
22.18	URINAL VALVE	19.00	Nos.	2,755.18	52,348.42
23	False Ceiling : Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer-in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60	214.69	Sqm.	1,222.20	2,62,394.12
24	DEVELOPMENT OF SQUASH AREA				
24.1	Supplying, fitting and fixing of 10 mm thick (10mm + laminated 1.52 mm + 10mm) clear laminated toughened glass with Stainless Steel railing consist of 32 mm dia top rail and base/cover plate with Stainless Steel GRADE 316 L containing 7.5% nickle (Interior Grade) Brushed/Mat finish, i/c fixing of the pipe with clamps at 1.00 m spacing including cutting and making good the walls including testing of joints complete as per direction of Engineer-in-charge. complete as per direction of the Engineer-in-charge. 1.5 inch	5.40	rmt	4,492.86	24,261.44
24.2	Supply & installation of locker cluster of size 1981x1214x483mm for 12 lockers having body made of CRC steel top, side and back 20 gauge, Door CRC steel 20 Gauge finished with epoxy polymer powder coating 50 micron thickness. Lockers to be provided with locks. All lockers have ventilating louvers for air circulation & label holder for identification. Item is inclusive of all labour and materials along with required hinges, fittings and laminate as per choice of architect and Engineer In charge.	1.00	Nos	55,396.28	55,396.28
24.3	Squash Seating : VIT-3001 - Providing and supply EXECUTIVE LOUNGE SEATING -ATTACHED CENTER TABLE WITH 25mm CURVICA LAMINATED TOP, SEAT & BACKWITH PU MOULD, BOTTOM PEDESTAL MADE FROM MS FLATS-RE-INFORCED STRUCTURE WITH POWDER COATING, ARMRESTS WITH METAL SUPORT.	5.00	Nos	32,536.30	1,62,681.50
24.4	Supply and Installation of - Canadian maple wood sports flooring system for Squash court WSF Approved. (One Squash Court Size 21' Width & 32' Length) SURFACE BOARD: Canadian Maple Wood Sports Flooring LABO SPORTS TEST CERTIFY & EN 14904 CERTIFIED & WSF Approved finished with 21mm thick, 57 to 83mm wide and in random length in tongue and groove shape. The edges of the boards will have a finger lock groove and the bottom side with air pass groove and treated with special anti-termite and water-resistant lacquer. THE UNDER FRAME: Made of commercial quality Canadian Pine Wood runners of 70 mm x 45 mm, treated with anti-termite solution and fixed on the bottom side with 18 mm thick EPDM air cushioned pads, stapped through the two wings at 350 mm x 350 mm. INSTALLATION: IPS subfloor treated with a vapour barrier to be placed on the levelled IPS sub-floor before laying the under frame. The runners having air cushion pads to be placed on the vapour barrier in perfect level at 350 mm in 1 direction. The surface board to be screwed to the runner through the tongue only and will lock the screwed tongue by the groove of adjoining board. Ends of the boards will be locked by inserting the wooden fingers through the edge grooves and fixed with suitable adhesive. An expansion of 8 to 10 mm to be left open between the wooden flooring and the surrounding tiled area / walls. FINISHING: After installation the floor will be machine sanded in uniform level and finished with P. U. Polishing water based polyurethane lacquer. Game line marking to be carried out in required colours before applying the finish coat.	62.89	Sqm.	3,532.90	2,22,184.08
24.5	Supply & application of Squash court Bounce Wall Hard Plaster system of approx. 4-6 mm thickness as per WSF specifications & standards over existing the existing cement plaster coat (base coat).	186.40	Sqm.	2,119.74	3,95,119.54
24.6	Supply and installation of Galvanised Steel Sheet of required size, thickness and nos. as per WSF's Specifications and Standards.	1.00	Nos	8,439.80	8,439.80
24.7	LIGHTS : Led Fixtures - Wattage 40W Body Type - Aluminum + Powder Coated Dimension - 30 mm x 295 mm x 1195 mm	8.00	Nos	5,570.32	44,562.56
25	DEVELOPMENT OF BASKETBALL				

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25.1	Supply & Installation of Basketball court 8 LAYER System with Rubber cushions (ITF APPROVED ALL WEATHER PROOF ACRYLIC SYNTHETIC LAYERS FLOORING SYSTEM)	403.45	Sqm	747.34	3,01,514.32
25.2	Supply & Installation of basketball poles: fixed pole of 3.20mtr, standard ring height-3.05mtr, standard board size-180x105cm with thickness-25mm transparent, pole pipe size of 8 inch round, ring type: heavy dunking 3 spring with net	1.00	pair	1,24,241.59	1,24,241.59
26	DEVELOPMENT OF SKATING RINK				
26.1	Skating acrylic synthetic flooring with 5 layer system ITF APPROVED.	398.12	Sqm	545.12	2,17,023.17
26.2	PAINTING OF SKATING RINK RAILING : Red oxide, Black Oil paint	136.89	Sqm	33.57	4,595.40
27	DEVELOPMENT OF CHILDREN'S PLAY AREA				
27.1	Deluxe Wave Slide - Height Sft	2.00	Nos.	38,516.66	77,033.32
27.2	Roller Slide - Height Sft	1.00	Nos.	59,962.68	59,962.68
27.3	Two Seater Swing	2.00	Nos.	23,075.79	46,151.58
27.4	Two Seater See Saw - Caterpillar	2.00	Nos.	21,371.68	42,743.36
27.5	Two Seater See Saw	1.00	Nos.	10,686.64	10,686.64
27.6	Penguin Dustbin	2.00	Nos.	6,236.13	12,472.26
27.7	Sleek Benches - Length 4ft	4.00	Nos.	7,005.06	28,020.24
27.8	Installation Type A	1.00	L.S.	3,996.50	3,996.50
27.9	Transportation	1.00	L.S.	11,989.50	11,989.50
28	LANDSCAPE SOUND				
	SWIMMING POOL				
28.01	Deluxe Wave Slide - Height Sft	13.00	Nos.	6,687.74	86,940.62
28.02	Roller Slide - Height Sft	1.00	Nos.	22,030.30	22,030.30
	OPEN GARDEN				
28.03	Two Seater Swing	25.00	Nos.	6,687.74	1,67,193.50
28.04	Two Seater See Saw - Caterpillar	1.00	Nos.	31,077.58	31,077.58
	BASKETBALL AREA				
28.05	Two Seater See Saw	8.00	Nos.	6,687.74	53,501.92
28.06	Penguin Dustbin	1.00	Nos.	15,342.56	15,342.56
	SKATING RINK				
28.07	Sleek Benches - Length 4ft	8.00	Nos.	6,687.74	53,501.92
28.08	Installation Type A	1.00	Nos.	15,342.56	15,342.56
29	AUDITORIUM				
29.1	ACOUSTIC PANELLING				
29.101	Providing and fixing spandex system using aluminium frame work 600mm c/c for wall panelling as per designed for acoustic vibration management consisting of aluminium tubular sections of size 50x25mm having thickness not less than 1.6mm. The framework to be filled with open cell polyurethane acoustical foam to be laid down in engineered pattern designed to absorb the widest range of frequencies & should meet UL 94 HF-1 Standard with density of 1lbs./cft. The frame to be fixed to the walls by means of angle holdfasts of suitable length complete with expandable anchor fasteners of 65x10mm dia fixed @ 1200mm C/C bothways. The frame work shall be executed as per drawings, specifications & instructions of engineer in charge.	425.00	Sqm	2,445.85	10,39,486.25
29.102	Providing & fixing wall panelling at all heights with 20mm thick, 400kg /cum density fibre board infused with acoustical gel designed to achieve the noise reduction coefficient 125hz/0.17-0.22, 250hz/0.82-.81, 500hz/0.94-1.24, 1Khz/0.98-1.3, 2KHz/0.88-1.4, 3.15KHz/0.83-1.16 & having NRC .9-1.15 range in required colour laid over the Aluminium frame work. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.	425.00	Sqm	2,202.07	9,35,879.75
29.103	Providing and fixing at all heights and location, 12mm thick commercial ply fixed by 50 mm long dry wall screws at the spacing of 300 mm c/c including all material of approved makes, labour, necessary accessories etc. all complete as per manufacture's specification and direction of Engineer-In-Charge.	270.00	Sqm	978.86	2,64,292.20
29.104	Providing and fixing at all heights and location, 1mm laminate of approved shade, colour and make over the plyboard using adhesive having VOC less than 50grams/Litre all complete as per manufacture's specification and direction of Engineer-In-Charge.	270.00	Sqm	717.21	1,93,646.70
29.105	Providing and Fixing of Acoustical Polyethylene Terephthalate PET panel ceiling/Wall system of approved make comprising of 9mm thick Polyethylene Terephthalate panels in approved colour in approved sizes, shapes, designs, pattern, profile in varying sections as per approved drawing pasted on surface with the help of required adhesive. Product Specification :- Core : 100% Polyethylene Terephthalate Material: Polyethylene Terephthalate Acoustic Performance : upto .9NRC Flamibility : B-s1, d0 as per EN-13501 , Mounting Type - Type A mounting , E-100 & E-50, Size:- 1220mmx2440mm , These panels should be available in various colours & must be highly absorptive acoustic panel with non-Woven polyester fibre as its core. They form must possess effective remedy for reverberation related issues in interior spaces & can be customized in any design.	160.00	Sqm	2,711.22	4,33,795.20


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29.106	Providing & Fixing of Fabric wrapped commercial Acoustical wall panel & must be non allergenic, non-toxic , they should be increased impact resistance & are free of binding agents product must be manufactured with polyester core infill and tissue on facing side of the panel, edge hardened and fabric must be as per client requirement. Must be decorative & tackable, these acoustic ceiling tiles and wall panels must be available in variety of colours and can be printed with custom graphics to blend into the decor. It must be made of material 100% polyester (60% PET -recycled fibre , 40% PET-virgin fibre). the material should have the property of formaldehyde free , tackable surface, No blending agents , Impact resistant, No chemical irritants , CLASS A Fire rated , Architecturally decorative. Product must have Sound absorption Coefficient for 25mm thickness 125hz/0.06 , 250hz/0.19, 500hz/0.47, 1Khz/1.05, 2KHz/0.94, 4KHz/0.88, Having NRC 0.66. It must have installed option of adhesive , direct attach , Z-clip, Stick pin with material of tackable walls from 100% polyester 60%PET-recycled fibre, 40% PET Virgin fibre. Product must be cut as per the size required in 25mm thickness.	130.00	Sqm	7,579.76	9,85,368.80
ACOUSTIC CEILING					
29.107	Providing and fixing spandex system using aluminium frame work 600mm c/c for false ceiling as per designed for acoustic vibration management consisting of aluminium tubular sections of size 50x25mm having thickness not less than 1.6mm. The framework to be filled with open cell polyurethane acoustical foam to be laid down in engineered pattern designed to absorb the widest range of frequencies & should meet UL 94 HF-1 Standard with density of 1lbs./cft.The frame to be fixed to the walls by means of angle holdfasts of suitable length complete with expandable anchor fasteners of 65x10mm dia fixed @1200mm C/C bothways.The frame work shall be executed as per drawings ,specifications & instructions of engineer in charge.	150.00	Sqm	2,887.87	4,33,180.50
29.108	Providing & fixing false ceiling at all heights with 20mm thick, 400kg /cum density fibre board infused with acoustical gel designed to achieve the noise reduction coefficient 125hz/0.17-0.22 , 250hz/.82-.81, 500hz/.94-1.24, 1Khz/.98-1.3, 2KHz/.88-14.351.21, 4KHz/.83-1.16 & having NRC .9-1.15 range in required colour laid over the Aluminium frame work. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.	150.00	Sqm	2,688.84	4,03,326.00
29.109	Providing and Fixing of Acoustical Polyethylene Terephthalate PET panel ceiling/Wall system of approved make comprising of 9mm thick Polyethylene Terephthalate panels in approved colour in approved sizes, shapes, designs, pattern, profile in varying sections as per approved drawing pasted on surface with the help of required adhesive. Product Specification :- Core : 100% Polyethylene Terephthalate Material: Polyethylene Terephthalate Acoustic Performance : upto .9NRC Flamability : B-s1, d0 as per EN-13501 , Mounting Type - Type A mounting , E-100 & E-50, Size:- 1220mmx2440mm , These panels should be available in various colors & must be highly absorptive acoustic panel with non-Woven polyester fibre as its core. They form must possess effective remedy for reverberation related issues in interior spaces & can be customized in any design.	150.00	Sqm	3,197.99	4,79,698.50
29.110	Providing & fixing of Acoustical False ceiling made out of moisture resistant Gypsum board with necessary GI Framework in combination with 15mm thick Glass wool tiles on powder coated T-Grid Framework including cove complete in all respect as per the satisfaction of Enginner -in- charge.	225.00	Sqm	3,264.34	7,34,476.50
29.111	Providing & fixing of 12mm thick commercial ply, fixed to Sal wood frame work of size 50mmx50mm battens fixed at 600 mm c/c both ways. The sal wood framework to be supported on 100x100x5mm neoprene pads. The salwood framework should have two coats of fire retardant paint. The base of the ply should have a coating of fire retardant paint as per the manufactured laid down procedure complete in all respect.	80.00	Sqm	7,192.10	5,75,368.00
29.112	Providing & Fixing parquet flooring as per approved design.	80.00	Sqm	4,315.42	3,45,233.60
29.113	Providing & fixing of stage proscenium made out of MS/Aluminium frame as per the detailed design. The proscenium should be made out of combination of 12mm thick commercial ply & 1mm thick laminate.	36.00	Sqm	26,002.02	9,36,072.72
29.114	Providing & Fixing of MS Framework over stage for supporting of proscenium & ceiling including one coat of primer over MS Work.	2000.00	KG	194.22	3,88,440.00
29.115	Open cell ceiling- Supply and installation of open cell metal ceiling comprising of 2' x 2' panels installed using standard 9/16" T-Bar grid systems. Material: Aluminum, 0.016" thick Dimensions - Panel: Nominal 24 x 24 x 1-1/2" blade height x 9/16"blade width (matches 9/16" suspension system); Interior Cell Sizes: 4"- 8" Surface Finish: Powder-coated, post-production painted finish. Fire Performance: Class A: ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.	70.00	Sqm	3,872.60	2,71,082.00
29.2	AUDIO VIDEO				
29.201	Line Array System L-R Supply, Installation, Testing & Commissioning of two-way Active Line array speakers. Frequency range: 44Hz to 20Khz or better, Loudspeaker consisting of Min 1 x 12" LF driver or better and 1x 1.75" HF compression driver or better, Horizontal Dispersion: 90° or better, Per Unit Vertical Dispersion: 18° or better, Amplifier - 500W + 500W Class-D continuous for HF and LF or better; Maximum Peak SPL - 131dB or better.Total Vertical Coverage for L-R Line Array system should be minimum 50° or better . Indicators-Power, Signal, Standby, Limit, Amplifier Protection-Thermal limiting, output overcurrent, overtemperature muting etc. Material-Impact resistant ABS with Rugged powder coated steel grille.	6.00	Nos.	2,30,054.52	13,80,327.12
29.202	Array Frame for Line Array System-Supply, Installation, Testing and Commisioning of OEM supplied Array Frame for Line Array Speakers.	2.00	Nos.	1,15,027.26	2,30,054.52


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29.203	Ground Stacked Subwoofer- Supply, Installation, Testing & Commissioning of 18-inch Direct Radiating Active subwoofer. Frequency Range (-10 dB) - 35 Hz - 111 Hz or better, Frequency Response (-6 dB) - 41 Hz - 98 Hz or better. Amplifier Module – Class-D, 3600W or better, Maximum Peak SPL-136 dB or better. Omni-directional or cardioid radiation modes selectable. Adjustable crossover and delay settings or better. Connectors - Inputs: 2 × locking XLR/F ¼ inch combo or better, Outputs: 2 × XLR/M (Loop-thru Output) or better, Indicators - 2 × Power LED (front and rear), Input Signal LED, Limiter active LED or better, Controls - Power On/Off, Gain, Rotary encoder, 2 × selection buttons or better.	4.00	Nos.	1,97,189.70	7,88,758.80
29.204	Front Fills-Supply, Installation, Testing & Commissioning of 8-inch, Two-way active loudspeaker with Class-D amplifier. LF Transducer- 203 mm (8 in), cone, HF Transducer-35.6 mm (1.4 in) compression driver, Frequency Range (-10 dB)-53 - 20 kHz, Coverage Angle-90° Axisymmetric, Maximum Peak SPL - 124 dB, Controls - Power, 2 × Gain, Mic Boost Push Switch, 6-way Contour Selection Switch, Indicators - Power LED, 2 × Input Signal LED, Input B MIC selected LED, Limiter active LED, Connectors - 2 × locking XLR/F ¼" combo (Line Input and Mic/Line input), 1 × 3.5 mm TRS (Stereo Input), 1 × XLR/M (Mix Output), 1 × IEC power connector, Enclosure Material-Polypropylene, Grille-18 Gauge powder-coated steel, Attachment Points-M8 threaded insert.	3.00	Nos.	65,730.43	1,97,191.29
29.205	Delay Fills-Supply, Installation, Testing & Commissioning of 2 Way Active Multi-Purpose Loudspeaker. Frequency Range (-10 dB) - 45 Hz to 20 kHz Maximum Peak SPL at 1m 132 dB. Maximum Continuous SPL at 1m 126 dB. Nominal Coverage Angle 75 Degree Axisymmetric. Amplifier - 2000 Watts Peak Power Class D Amplifier. Transducers -12" LF Driver, 1.4" Titanium Diaphragm Compression Driver. 2 × XLR/Jack Combo Balanced Inputs, 1 × 3.5 mm Stereo TRS Input. 2 × XLR Loop Through Out & 1 × XLR Loop Through Out (Mix). Input A Switchable between Mic & Line, Input B Switchable between High-Z & Line. Built-in DSP with recallable Presets, Parametric EQ, Delay, Save & Recall of User Presets. Monochrome LCD Display. LED Indicator for Power (Front & Rear), 3 × Input Signal, Limiter Active.	3.00	Nos.	1,11,741.34	3,35,224.02
29.206	Under Balcony Fills-Supply, Installation, Testing & Commissioning of 8-inch, Two-way active loudspeaker with Class-D amplifier. LF Transducer- 203 mm (8 in), cone, HF Transducer-35.6 mm (1.4 in) compression driver, Frequency Range (-10 dB)-53 - 20 kHz, Coverage Angle-90° Axisymmetric, Maximum Peak SPL - 124 dB, Controls - Power, 2 × Gain, Mic Boost Push Switch, 6-way Contour Selection Switch, Indicators - Power LED, 2 × Input Signal LED, Input B MIC selected LED, Limiter active LED, Connectors - 2 × locking XLR/F ¼" combo (Line Input and Mic/Line input), 1 × 3.5 mm TRS (Stereo Input), 1 × XLR/M (Mix Output), 1 × IEC power connector, Enclosure Material- Polypropylene, Grille-18 Gauge powder-coated steel, Attachment Points-M8 threaded insert.	3.00	Nos.	65,730.43	1,97,191.29
29.207	Stage Monitors-Supply, Installation, Testing & Commissioning of Powered 2-way active speaker. Transducers: LF-10-inch or better, HF-1.4-inch or better. Frequency Range - 50Hz to 20kHz oSupply, Installation, Testing & Commissioning of 12-inch Two-way active loudspeaker. 1000 Watt peak power Class-D amplifier module, LF Transducer-12-inch, cone, HF Transducer-1.4-inch compression driver, Frequency Range (-10 dB)-47 - 20 kHz, Nominal Coverage Angle- 75° Axisymmetric, Maximum rated SPL - 126 dB, Inputs - 2 × locking XLR/F ¼" combo (Line Input and Mic/Line input), 1 × 3.5 mm TRS (Stereo Input), Outputs - 1 × XLR/M (Mix Output), Attachment Points:M8 threaded insert, Indicators - Power LED, 2 × Input Signal LED, Input B MIC selected LED, Limiter active LED, Enclosure Material- Polypropylene, Controls- Power, 2×Gain, Mic Boost Push Switch, 6-way Contour Selection Switch, r better, Nominal Coverage-90° axisymmetric or better, Maximum SPL - 130dB peak or better, Amplifier - Class-D 2000W Peak or better. Controls and Indicators for Power, Gain, Signal, Limit etc. or more. XLR Mic/Line inputs and Outputs. Inbuilt DSP with Presets, Delay etc. or more. Material - Impact Resistant ABS or similar.	3.00	Nos.	59,156.99	1,77,470.97
29.208	Green Room & Control Room Speakers-Passive Two-way, wall-mount speaker. Impedance- 8Ω and 70V/100V transformer taps, Frequency Range-60 Hz – 20 kHz, Sensitivity-86 dB or better. Coverage- 130° conical or better, Maximum peak SPL- 107 dB, LF Transducer 6.5-inch or better, HF Transducer - 1-inch or better. Should include the mounting kit.	6.00	Nos.	20,705.06	1,24,230.36
29.209	Amplifiers for Green & Control Room Loudspeakers-Supply, Installation, Testing & Commissioning of Dual Channel Class-D amplifier. Per Channel Power 200W @8Ω/4Ω/70V/100V or better. Power Sharing or Bridge/Parallel modes for better power distribution. Frequency Response- 20 Hz – 20 kHz or better. Signal to Noise ratio -> 103 dB or better, Input impedance - >10k, balanced or unbalanced or better, Front and Rear panel indicators for Power, signal (per channel), limit / mute / protect etc. or better. Better to have Remote standby and Power saving features - Auto-standby.	1.00	Nos.	1,36,937.67	1,36,937.67
29.210	Digital Signal processor-Supply, Installation, Testing & Commissioning of Open Architecture Digital Signal Processor with minimum 16 Mic/Line inputs and 8 Line outputs. Shall support phantom power on each microphone input. AEC channels - 16 or more with 200ms tail length. Minimum 8x8 Dante channels and support for up to 128x128 Network audio channels via Dante /AES67 or similar protocol. POTS and SIP Softphone integration for Audio conferencing. USB-B port supporting AV USB Bridging for software or web-based conferencing applications emulating USB Audio (Speakerphone) and USB Video (Camera) driver. 24 bit-A/D-D/A converters or better, 48 kHz Sample rate or better, Input frequency response of 20 Hz to 20 kHz or better, Input dynamic range > 109 dB or better.	1.00	Nos.	4,65,038.33	4,65,038.33


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29.211	Digital Mixer-Supply, Installation, Testing & Commissioning of 32 Channel Touch Screen Digital Mixer or better. 10-inch Color TFT Screen or larger, Input ports - 24 Mic/Line Inputs, 6 Line Inputs, Stereo USB/MP3 Playback or more, Input Processing - 4 Band Parametric EQ, Gate & Compressor etc. Output Ports - Balanced Main LR Output on 2 x XLR (Line Level), 14 x Balanced Aux Outputs on XLR (Line Level), Stereo TRS Headphone Output, Stereo TRS Monitor L/R Output or better, Output Processing - 1/3 Octave Graphic EQ, 6 Band Parametric EQ, Variable High & Low Pass filters, 12-Band Anti-Feedback Filters, Limiter, Delay Output Processing etc., Stereo mp3 & 32 x 32 Multitrack Recording & Playback direct to hard drive & DAW or better, 8 DCA & Mute Groups or better, External Control using WiFi enabled iOS or Android devices, Selectable 44.1 kHz to 48 kHz Sampling Frequency. 48V Phantom Power Individually Switchable on all Mic Inputs.	1.00	Nos.	2,13,622.51	2,13,622.51
29.212	Gooseneck Microphone -Supply, Installation, Testing & Commissioning of Gooseneck Microphone with Base.	1.00	Nos.	62,443.71	62,443.71
29.213	Wireless Lapel Microphone-Supply, Installation, Testing & Commissioning of Digital Wireless Lapel Microphone set.	1.00	Nos.	62,443.71	62,443.71
29.214	Wireless Headworn Microphone:Supply, Installation, Testing & Commissioning of Digital Wireless Headworn Microphone set.	1.00	Nos.	70,659.71	70,659.71
29.215	Wireless Handheld Microphone:Supply, Installation, Testing & Commissioning of Digital Wireless Handheld Microphone set.	4.00	Nos.	69,016.35	2,76,065.40
29.216	Wired Vocal Microphones-Supply, Installation, Testing & Commissioning of wired vocal Microphones.	4.00	Nos.	24,648.81	98,595.24
29.217	Wired Instrumental Microphones-Supply, Installation, Testing & Commissioning of wired instrumental Microphones.	4.00	Nos.	21,362.89	85,451.56
DISPLAY/ PROJECTION SYSTEM					
29.218	Projection System-Supply, Installation, Testing & Commissioning of 6000 laser lumens Projection System with required lens	1.00	Nos.	3,69,730.60	3,69,730.60
SWITCHING & INTERFACE SYSTEM					
29.219	Podium-Digital Podium with required ports	1.00	Nos.	3,28,648.98	3,28,648.98
29.220	Wall/Floor Plate for Stage and Control Room-Supply, Installation, Testing & Commissioning of Wall/Floor Plate with 1xHDMI, 1xDP/VGA, RJ45 Ports, complete with Transmitter, Receiver set.	2.00	Nos.	16,432.80	32,865.60
29.221	AVoverIP Encoder-Supply, Installation, Testing & Commissioning of Network Video Endpoint configured as encoder. HDMI Inputs -3 with simultaneous encoding of all connected sources or better, HDMI Outputs- 2 with scaling for local preview or better, Resolution up to 4K60 4:4:4 or better, Stereo Analog Audio Input and Output on 3.5mm connection or similar, Built-in Audio de-embedding, Power - PoE and Aux, Ports - RS232, IR/GPIO for Control or better. Content Protection: HDCP 2.2 compliant, EDID support, USB port for AV USB Bridging - emulating webcam video and AEC speakerphone audio driver for Software based Video Conferencing, USB port for HID signal routing. mounting accessories included for Surface/Wall/Rack mounting.	1.00	Nos.	4,30,530.95	4,30,530.95
29.222	AVoverIP Deoder-Supply, Installation, Testing & Commissioning of Network Video Endpoint configured as Encoder. Minimum Inputs - 1 x HDMI Input and 1 x USB-C for single cable connectivity for Video encoding, AV USB Bridging - emulating webcam video and AEC speakerphone audio driver for Software based Video Conferencing and for charging the connected device. Local - Output - 1x HDMI with Scaling , HDMI audio embedding and deembedding, Network Audio supported via Dante/AES67 or similar protocol, Video Resolution - 4K60 4:4:4 or better. Power - PoE and AUX, Control Port - RS232 or better, Mounting hardware included.	1.00	Nos.	2,41,557.25	2,41,557.25
PROCESSING & CONTROL SYSTEM					
29.223	Control System License-Supply, Installation, Testing & Commissioning of Software or Hardware based control system with required ports to enable the third-party device control via Ethernet, RS232, GPIO and IR. It shall allow the use of third-party control modules/Plug-ins and custom scripts to control the devices. It shall allow open-source scripting language for writing custom scripts. License shall be perpetual and should not have any limit on no of devices to be used as Touch Controller or to be controlled.	1.00	Nos.	69,016.35	69,016.35
29.224	Touch Panel-Apple Ipad	1.00	Nos.	57,513.63	57,513.63
29.225	Wireless Network-WiFi Network for connectivity	1.00	Nos.	-	-
29.226	Network Switch-Supply, Installation, Testing and Commissioning of 48 port Network switch for AVoverIP. PoE++ ports and 2600 Watts PoE budget. Features advanced QoS and IGMP configuration to support AES67, Dante and similar protocols within the same VLAN. With required accessories for connectivity	1.00	Nos.	2,46,487.33	2,46,487.33
CABLE,CONNECTORS,ACCESSORIES (for items at sl. no. 29.2.27 to 29.2.35)					
29.227	Equipment Rack-Supply, Installation, Testing and Commissioning of 24U Equipment rack with standard accessories	1.00	Nos.		
29.228	Networked PDU-Supply, Installation, Testing and Commissioning of rack mountable Network controllable PDU with 6 Ports.	2.00	Nos.		
29.229	Microphone Cable-Supply , Laying , Testing & Commissioning of Microphone Cable 23/0.76 ATC PVC Sheathed	1.00	Nos.		
29.230	Speaker Cable-Supply , Laying , Testing & Commissioning of Speaker Cable, 2 Core 2.5 Sqmm stranded ETP high-conductivity copper conductors, PVC insulation, parallel: (1) tinned, (1) bare etc. complete with installation as per the site requirement.	1.00	Nos.		
29.231	Speaker Cable-Supply , Laying , Testing & Commissioning of Speaker Cable, 2 Core 4 Sqmm stranded ETP high-conductivity copper conductors, PVC insulation, parallel: (1) tinned, (1) bare etc. complete with installation as per the site requirement.	1.00	Nos.		
29.232	HDMI Cable-Supply , Laying , Testing & Commissioning of 18Gbps HDMI Cables	1.00	Nos.		
29.233	Ethernet Cable-Supply , Laying , Testing & Commissioning of CAT6 cable.complete with installation as per the site requirement.	1.00	Nos.		


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29.234	USB C Cables-Supply , Laying , Testing & Commissioning of 6-feet USB-C cable with thunderbolt Video and 60W power support.	1.00	Nos.		
29.235	Ethernet Cable-Supply , Laying , Testing & Commissioning of CAT6 cable.complete with installation as per the site requirement.	1.00	Nos.		
29.3	STAGE LIGHTING				
29.301	SITC of 100W High Quality LED Parcan Light complete with, Lamp source 3200K CCT Colour temperature CRI & TLCI Values above 95 COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 3 channel control Beam Angle of 11' / 25' / 35' Total Power Consumption of 110W High quality output replacing 1000W Halogen Par Flicker Free 100% for Tv & Film Cameras 11.7KHz Refresh Rate, Linear Dimming 0 ~ 100% Fuse and Internal safety protections Strobe option Adjustable 1~25 times/Sec Variable Fixture provided with Yoke of Manual Adjustment 5 Pin XLR for DmX Black powder coated body. RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	6.00	Nos	44,182.10	2,65,092.60
29.302	SITC of 200W LED Profile Spot 19 Degree Light complete with, 3200K CCT Colour Temperature COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) CRI & TLCI above 95 Strobe option Adjustable 1 ~ 25 times / Sec 4 Kinds of dimming curves, Black finish housing Manual Focus with 4 Beam shaping cutters Efficient and well-designed Lamp reflector Efficient Copper tube based Heat Sink for Heat Dissipation Sleek and Unique Designed Light weight body Fixture provided with Yoke of Manual Adjustment DmX 512 dimming with 1 or 3 Channel modes IP20 protection having Lux @ 3 Mtr above 9066 suitable to illuminate the key presenter or talent on stage. illuminate the key presenter or talent on stage. RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	1.00	Nos	1,21,081.96	1,21,081.96
29.303	SITC of 200W LED Blinder Light 30 Degree complete with 3200K CCT 2x100W Chip On Board LED Lamp source COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 2/6 Channel modes CRI & TLCI Value > 95 Strobe option Adjustable 1 ~ 25 times / Sec Variable Beam Angle 30 Degree Total Power Consumption of 210W 11.7KHz Refresh Rate In built preset's for effects Fuse and Internal safety protections Active Cooling with Low Noise Fan 5 Pin XLR for DmX High quality well designed inbuilt reflector Flicker Free 100% for Tv & Film Cameras Black finish housing, IP20 protection Having Strobe option and smooth dimming illuminate Stage with uniform light intensity levels. RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014	6.00	Nos	47,129.92	2,82,779.52

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पश्चिमी अभिनट द्रोणी, ओएनजीसी, वडोदरा-9
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29.304	SITC of 100W LED Fresnel Light having COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) 3200K colour temperature High quality uniquely designed Fresnel Lens CRI, TLCI and R9 value above 95 LED COB Based Source No Multiple Shadows – Single Source illumination Total Power Consumption of 110W Linear dimming 0 ~ 100% Adjustment Flicker Free for High FPS, Power AC100-240V, 50HZ Working Temperature - +40° ~ -30° Active Cooling with Low Noise FanDmX & RDM Control options with latest technology Fixture provided with Yoke of Manual Adjustment Manual and DMX control Option mode through 5pin/3pin xlr Black powder coated fabricated housing with normal yoke. RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	6.00	Nos	72,882.57	4,37,295.42
29.305	SITC of 12 x 10W LED Par Light RGBW, Beam Angle 25° complete with LED source from Lumi led / Seoul / Nichia or reputed make (LM80 to be provided) RGBW 10W Lamp source x 12 Pcs DmX 512 dimming with 8 Channel High Bright Red, Green, Blue, White LED's Source Unlimited Colour Mixing through DmX 0 ~ 100% Linear dimming, In built presets for different colours Strobe Mode 20 times/Sec Data DmX through 3 / 5 Pin XLR's 65dB ~ 130dB Sound sensing capacity Power In and Out Connections High precision colours, IP20 protection Powder coated Black finish housing Having Sound Control & Master Slave Auto Run Mode Illuminate the Indoor stage with unlimited colour effects Rigidly built pressure die-casted Aluminium body. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product	16.00	Nos	17,132.99	2,74,127.84
29.306	SITC of 54x3W LED 3200K Par Light Beam Angle 25° complete with 3200K 3W Lamp source x 54 Pcs LED source from Lumi led / Seoul / Nichia or reputed make (LM80 to be provided) Having CRI TLCI Values above 95 Flicker Free for high FPS Smooth fade in and Fade out High precision steady colour No heat, DmX 512 dimming with 2 Channel 0 ~ 100%, Powder coated Black finish housing Rigidly built pressure die-casted Aluminium body LED Easy view display Data DmX through 3 / 5 Pin XLR's 65dB ~ 130dB Sound sensing capacity Power In and Out Connections Total Power Consumption of 180W Sound Active Mode Control IP20 protection. RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	8.00	Nos	16,659.80	1,33,278.40
29.307	SITC of 180W LED CCT tuneable Light complete with CCT Tuneable Lamp source LED source from Lumi led / Seoul / Nichia or reputed make (LM80 to be provided) Having CRI TLCI Values above 95 High precision steady colour No heat, DmX 512 dimming with 6 Channel Beam Angle 15° / 25° / 45° 0 ~ 100% Smooth dimming, Powder coated Black finish housing Rigidly built pressure die-casted Aluminium body LED Easy view display Flicker Free for high FPS Smooth fade in and Fade out Data DmX through 5 Pin XLR's Total Power Consumption of 180W Sound Active Mode Control IP20 protection. 65dB ~ 130dB Sound sensing capacity Power In and Out Connections RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	2.00	Nos	47,246.62	94,493.24

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29.308	SITC of Aluminium O Type clamp made up of high grade aluminium having thickness not less than 5mm suitable for round tubes of dimension varying from 40 to 55mm outer diameter, provided with fixture mounting 25mm M8 bolt and wing nut, minimum 100KGs of safe working load, 40mm bolt and wing nut for pipe locking.	45.00	Nos	1,341.22	60,354.90
29.309	SITC of Light Fixture dual safety Chain made up of GI wire rope Bundled and twisted together Having load bearing capacity above 200 Kgs Sleeve on the rope. Carabiner Clip	45.00	Nos	585.08	26,328.60
29.310	SITC of Suspender cum clamps designed made out of MS material 150mm x 150mm x 5mm MS Base plate Threaded rod, Black powder coated finish All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Suitable to hold various type grid & other rigging systems.	20.00	Nos	3,189.20	63,784.00
29.311	SITC of Fixed stage Lighting bar/winch of 7Mtr length constructed with an dual construction light bar with an Mild Steel 40NB 48 OD black matt finish with an supporting flat patti of height 200mm x 50mm x 6mm thickness for the extra support with 2 holes of 10mm diameter to fix the cable tray on the bar. It shall be hanged from the roof to accommodate various type of stage light fittings. It should hang from the roof with MS angle which is suspended from the fish plate of 5mm thickness which is fixed on the rcc roof with 4 anchor fasteners of 10mm which can take an total load of 400KG each fastener. Made out of 48mm Outer Dai, 40 Nominal Bore Material for the light bar shall be of Mild Steel Pipe. Dual Barrel Arrangement Powder coated with Matt black Texture Fixing Through Suspenders as per site conditions Dual Construction and an additional End Caps on the Pipe end shall be there Light bar Length shall be of customized type as per site condition. Upper pipe of dual construction is used to anchor the bar lower pipe is effectively used to hang the light fixtures	3.00	Nos	32,369.25	97,107.75
29.312	SITC of Fixed stage side Ladder as per the design, Size of 600mm x 2400mm, Manual movable Made out of 40NB 48 OD Mild steel pipe dual barrel Dual Barrel Arrangement Dual Construction Powder coated with Matt black Texture Single Construction with Cross connecting pipes Cross connecting Pipes at every 600mm Ladder can be moved along the track or adjusted as required, Spud & Trolley, Pivoted or Fixed Suspenders as per site conditions	2.00	Nos	24,126.87	48,253.74
29.313	SITC of Fixed FOH Lighting bar/winch of 8Mtr length constructed with an dual construction light bar with an Mild Steel 40NB 48 OD black matt finish with an supporting flat patti of height 200mm x 50mm x 6mm thickness for the extra support with 2 holes of 10mm diameter to fix the cable tray on the bar. It shall be hanged from the roof to accommodate various type of stage light fittings. It should hang from the roof with MS angle which is suspended from the fish plate of 5mm thickness which is fixed on the rcc roof with 4 anchor fasteners of 10mm which can take an total load of 400KG each fastener. Made out of 48mm Outer Dai, 40 Nominal Bore Material for the light bar shall be of Mild Steel Pipe. Dual Barrel Arrangement Powder coated with Matt black Texture Fixing Through Suspenders as per site conditions Dual Construction and an additional End Caps on the Pipe end shall be there Light bar Length shall be of customized type as per site condition. Upper pipe of dual construction is used to anchor the bar lower pipe is effectively used to hang the light fixtures	1.00	Nos	36,993.20	36,993.20
29.314	SITC of Power Distribution Electrical panel having a Incomer of 63A. Floor mount / rack mount / wall mount. Miniature circuit breakers of single poles shall be fixed of different ratings from 6/10/16/25A as per the lighting fixtures. Wiring inside the module for power, control protection and instrument etc. shall be done with use of 1100 V confirming to IS 694 and IS 8130 All welding slag grounded off and welding pits wiped smooth with plumber metal. Power panels shall be designed in such a way that the internal space is sufficient for hot air movement, and the electrical component does not attain temperature more than 40 degree Celsius. Fabricated panel shall be supported with ms angles of size 25mm x 25mm with an 1.8mm thickness sheet to hold the structure. Neutral separation made using incomer of L&T or Schneider make, Voltmeter, Ammeter display for reading visualization Individual MCB control for 23 outgoing circuits RYB Phase indicators internally wired using IS certified wires and cables. Terminal for both incoming and outgoing cable shall be suitable for 1100 volts grade, aluminium/copper conductor PVC insulated and sheathed, armoured cable and shall be suitable for connections. Provided with ivory connectors for the internal terminations and external outgoing connecting points Custom built as per specification and project requirement.	1.00	Nos	1,31,158.73	1,31,158.73

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29.315	SITC of High quality power junction box 4 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm) Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Mouldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall / floor fixing	23.00	Nos	1,207.74	27,778.02
29.316	SITC of High quality power junction box 2 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm) Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Mouldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall/floor fixing	2.00	Nos	1,469.11	2,938.22
29.317	SITC of High quality Dimming In junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Male socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing	1.00	Nos	1,180.56	1,180.56
29.318	SITC of High quality Dimming Out junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Female socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing	10.00	Nos	1,180.56	11,805.60
29.319	SITC of DmX Loop Junction Box having 1 No. of DmX 5 Pin XLR Female Socket & 1 No. DmX XLR Male Socket fitted on to a sheet metal fabricated compact Junction box powder coated with matt black texture finish paint. High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding. Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing	1.00	Nos	3,356.26	3,356.26
29.320	SITC of Internal Earthing System with copper bare conductors all along the cable trays, metal parts and Installation Hardwares	1.00	Nos	34,178.06	34,178.06
29.321	SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x150 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dissipation provided with lid.	25.00	Mtr	2,047.80	51,195.00
29.322	SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x 75 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dissipation provided with lid.	60.00	Mtr	1,349.21	80,952.60
29.323	SITC of DmX Male Female Connectors 5 Pin having rubber sheath protection for Cross connecting DmX wiring connections	20.00	Nos	539.52	10,790.40
29.324	SITC of DmX Male Termination Connector 5 Pin soldered with required capacity of resistor for signal defaming	16.00	Nos	598.67	9,578.72
29.325	Digital Lighting Console with 1024 DMX channels, 1024 Channels, 10 Programmable Executors, Master Fader, Keypad entry, LCD Display, Encoder Wheels, LTP slope Channels for each fixture 40 primary + 40 fine tune Switchable Page Scenes/Playbacks, 10 Scenes to run simultaneously, 600 Scene step, Shapes of Dimmer, Pan/Tilt, RGB, CMY, Color, Gobo, Iris and Focus, Master slider - Global, playback, fixture USB Memory - FAT32 supported	1.00	Nos	1,87,642.86	1,87,642.86
29.326	SITC of Opto isolated RDM enabled DmX splitter unit provided with, 8 Isolated outputs Slow blow safety fuse 5 Pin XLR for output interface Dual mode to select 2 universe operation DmX Input through 5 Pin XLR Connector Control Protocol RDM and DMX 512 Powder coated compartment finish Mounting brackets for grid mount.	2.00	Nos	45,348.28	90,696.56
29.327	SITC of FRLS Copper unarmoured Flexible cable IS694 having 3 Core each of 1.5 Sq mm size.	500.00	Mtr	243.78	1,21,890.00
29.328	SITC of 5 Core DmX Cable with Sheathed housing on the cable, well designed insulation, low noise suitable to transmit DmX signal.	250.00	Mtr	362.88	90,720.00
29.4	STAGE FURNISHING				
29.401	SITC of Suspender cum clamps designed made out of MS material 150mm x 150mm x 5mm MS Base plate Threaded rod, Black powder coated finish All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Suitable to hold various type grid & other rigging systems.	12.00	Nos	3,189.20	38,270.40

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29.402	SITC of C Profile MS Hot rolled strips 3mm thick with Extra U bend used either to create basic supports Customized 40 x 50mm. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Makes easier to suspend all the stage machinery Duly powder coated Matt black texture finish paint	30.00	Mtr	1,373.99	41,219.70
29.403	SITC of Motor Control Panel with DMX & Manual selectable Motor control panel, cum remote control 1 Way providing power input for motors internally neatly wired with contactors having individual motor control with required Push button, Emergency trip, RYB indicators, Supply Indicator and necessary meters operated wireless smart working functionality for the motorised lightbars should be there with one neutral & phase connection slots and with 2 virtual load terminals. For each motor unit one each switch units should be installed inside the control panels which can be controlled with our mobiles, touch pads only with the internet connection. Motor control panel duly powder coated with ash grey paint texture finish with all required safety features	1.00	Nos	59,995.45	59,995.45
29.404	SITC of Cable Connecting Circuit Boxes for the termination of cables from Electrical panel to the grid level point made out of MS Sheet metal fabricated housing duly powder coated with matt black texture finish paint, fitted with required channels and ivory connectors, necessary glands etc.	1.00	Nos	3,017.35	3,017.35
29.405	SITC of FRLS Copper unarmoured Flexible cable IS694 having 7 Core each of 1.5 Sq mm size.	40.00	Mtr	105.50	4,220.00
29.406	SITC of FRLS Copper unarmoured Flexible cable IS694 having 4 Core each of 4 Sq mm size.	30.00	Mtr	221.40	6,642.00
29.407	SITC of High quality Velvet fabric fire retardant treated as per approved colour and make with a gathering of 100% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Main Curtain) Size: 12.2Mtr x 4 Mtr.	1.00	Nos	2,17,057.10	2,17,057.10
29.408	SITC of Glazed Cotton fabric fire retardant treated as per approved colour and make with a gathering of 50% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Rear Curtain) Size: 8.5Mtr x 4 Mtr.	1.00	Nos	1,03,558.90	1,03,558.90
29.409	SITC of Glazed Cotton fabric fire retardant treated as per approved colour and make with a gathering of 50% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Frills) Size: 8Mtr x 0.50Mtr.	2.00	Nos	12,183.72	24,367.44
29.410	SITC of High quality Velvet fabric fire retardant treated as per approved colour and make with a gathering of 100% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Main Valance) Size: 11.2Mtr x 0.75Mtr.	1.00	Nos	37,363.27	37,363.27
29.411	SITC of Glazed Cotton fabric fire retardant treated as per approved colour and make with a gathering of 0% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing. (For Wing) 4Mtr x 1.5Mtr	8.00	Nos	28,951.44	2,31,611.52
29.412	SITC of On Stage Fixed Frill Bar 8Mtrs Length Straight as per the design made out of 40NB 48 OD Mild steel pipe dual barrel, supported to hang the frill, connected with MS Flat duly powder coated with matt black texture finish paint. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free	2.00	Nos	21,054.36	42,108.72
29.413	SITC of On Stage Fixed Valance Bar 11.2Mtr Length Straight as per the design made out of 40NB 48 OD Mild steel pipe dual barrel, supported to hang the Main Valance of the stage system duly powder coated with matt black texture finish paint. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free	1.00	Nos	31,581.14	31,581.14
29.414	SITC of Fixed Wing Structure designed as per site condition for a height approx 4Mtr x 1.5Mtr made up of MS Square tube of 25mm or higher size rested on pivotable trolley on a track for the rotation of the wing. Adjustable floor locking screw jacks with rubber grips. Inverted 4-Wheeler Trolley with Flexi Adaptor Clamp and 360° Rotatable.	8.00	Nos	28,721.24	2,29,769.92
29.415	Motorized DMX operated Main Curtain 12.2 Mtrs straight, Centre parting as per design. This mechanism shall be provided with 01 Nos. of 1 HP /1.5HP, 1440 RPM, 90 B5 frame, 3Ph. 415VAC Motor with Brake for Motor System to lift a load which should be synchronized with Motor Control centre Panel. Winch shall have 3 phase motor with an RPM of 1440, KW (HP): 0.74(1)/1.1(1.5), Frame: 90S, EFF:75.0%, MTG : B5, AMP :2.7Y, Volt:415v, DE BRG : 62052Z, DUTY:S1, FREQ:50Hz, NDE BRG:62052Z, IP:55, AMB:50 degree. The outer surface temperature is limited. It shall have a Worm Reduction Gearbox with GMRV-90 80:1, 90B5, Single Reduction 7.5:1 to 100:1 and the size shall be 90. It shall have a drive unit base frame to fix the gear box which contains one shaft Made up of I Track for complete length Curtain holding trollies with ball bearings for smoother noiseless movement consisting of 4-wheeler master trolley and 2-wheeler trolley placed uniformly at specific interval of 200mm /250 mm throughout the track Overlap of 0.5-0.9 Mtrs. Motor Cable termination box Trollies are uniformly distributed along the track at every 200/250mm with a master trolley. Open and close limit controller. Drive unit with suitable capacity of motor unit, Wire Rope shall be of GI Wire ropes Min 3mm Dai Undergone through various chemical treatment to keep them rust free, Black texture finish paint. All metal parts are powder coated	1.00	Nos	3,65,861.99	3,65,861.99
29.416	SITC of Fixed Rear Curtain 8.5 Mtr straight, Centre parting as per design made up of I Track for complete length with overlap of 0.5-0.9 Mtr, Trollies uniformly distributed along the track at every 200/250mm with a master trolley. Suspension Through Suspenders as per site conditions Guide pulley fixed to track end for rope routing Cotton Rope, Counter weight used for rope stiffness 4 wheeler and 2 wheeler trolley for curtain moment All metal parts are powder coated with black texture finish paint.	1.00	Nos	74,436.41	74,436.41
29.5	GENERAL LIGHT FIXTURES				

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29.501	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 2X1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed heavy duty PVC conduit ISI Mark, with modular switch, modular plate, Blanking Plate if required suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.Group C	80.00	Nos.	608.26	48,660.80
29.502	Circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed heavy duty PVC conduit ISI Mark as required 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	150.00	Rmt	71.93	10,789.50
	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connection.S (M.R) but excluding modular plate etc. as required.				
29.503	15/16 amps switch (for UPS Points)	20.00	Nos.	44.76	895.20
29.504	15/16 amps 6 Pin socket outlet	40.00	Nos.	71.93	2,877.20
	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
29.505	3 Module	10.00	Nos.	383.66	3,836.60
29.506	6 Module	20.00	Nos.	558.71	11,174.20
29.507	Supply of suitable for general lighting recessed downlighter with 40mm height suitable for general lighting. Luminaire should have die cast heat sink with polycarbonate diffuser. The luminaire should have CRI > 80 and CCT of 4000/6500K. The luminaire shall be compliant with IP20 classification. The fixture should have a minimum system efficiency of 110 lumen/Watt and a minimum system lumen output of 2000 lumens and maximum system wattage of 18 Watts. The luminaire shall be designed so as to ensure lumen depreciation of up to 30% over 50k burning hours @ design ambient temp 45 deg C. The electronic driver used shall have a power factor >0.95, THD <10%. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters. Including 3 core 2.5 sq.mm FRLS PVC insulated and PVC sheathed copper conductor cable and earthing etc. upto suitable point complete as required.	45.00	Nos.	4,930.08	2,21,853.60
29.508	Supply of recessed type LED downlight with maximum system wattage 6W and minimum system lumen 600lm. CCT=4000/5700K, CRI>80. Housing made of pressure die cast Aluminium. Specialty design optics made of aluminum reflector with beam angle 34-35 deg. The luminaire shall have a rated system lifetime of 30,000 burning hours at L70. The luminaire shall meet IP20 rating with THD<10% and PF > 0.9. Operating voltage 220-240V, 50/60 Hz, Surge 3.5KV, driver efficiency >85%, Operating voltage range: 140-270V AC. Including 3 core 1.5 sq.mm FRLS PVC insulated and PVC sheathed copper conductor cable and earthing etc. Up to suitable point complete as required.	18.00	Nos.	2,497.81	44,960.58
29.509	Supply of LED indoor surface downlighter suitable for general lighting. Luminaire should have pressure die-cast Al housing with diffused optics. The luminaire should have CRI > 80 and CCT of 5700-6500K. The luminaire shall be compliant with IP20, IK02 classification. The fixture should have a minimum system efficacy of 120 lumen/Watt and a minimum system lumen output of 2100 lumens and maximum system wattage of 18 Watts. The luminaire shall be designed so as to ensure system lumen depreciation of up to 30% over 50k burning hours @ design ambient temp 45 deg C. The electronic driver used shall have a power factor >0.95, THD <10%. The fixture housing should be available in colors aluminium and grey. Luminaire manufacture shall provide LM79 report from NABL/UL accredited lab & LM80 report issued by LED manufacturer. Both the fixture and Driver should be of same make & must have separate BIS approval. 5year warranty will be offered by OEM.	5.00	Nos.	3,944.54	19,722.70
29.510	Providing & Fixing of Exit Signage light of 3W LED Unidirectional with Inbuilt 2hrs battery backup.	4.00	Nos.	8,983.33	35,933.32
29.511	Providing & fixing of Cove light.	40.00	Rmt	876.83	35,073.20
29.6	UPS				
29.601	Design, supply, installation, Testing and Commissioning of 1X10 KVA Capacity, 3 phase in / 3 Phase out online UPS in Stand alone configuration, suitable to operate at 415V, 50Hz, 3 Phase AC supply as per technical specifications/data sheet The job also includes SITC of 12V, VRLA SMF batteries to give a backup time of minimum 30 minutes along with MS battery rack, connectors, wiring between battery bank and UPS with insulated copper conductor of required size as per site requirement etc. as required.	1.00	Nos.	4,49,153.84	4,49,153.84
29.7	Fire fighting & fire Alarm				
	PIPE & VALVES ETC. Supply,Installation,Testing & Commissioning of 'C' Class heavy duty MS pipe (as per IS 1239 upto 150 mm NB and IS 3589 for above 150 mm 6mm thick) with flanges and fitting such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts of following size on surface along wall / shaft with MS bracket, suspended from ceiling/ beam with suspenders duly painted with two coats of primer and finished with enamel paint of approved colour laid through pipe or in trench after wrapping with hassen cloth after applying coal tar primer as required as per direction of Engineer-in-charge.MAKE:JINDAL/TATA/Eq make				
29.701	150mm NB	40.00	Mtr	4,647.13	1,85,885.20
29.702	80mm NB	70.00	Mtr	2,368.32	1,65,782.40
29.703	50mm NB	40.00	Mtr	1,416.35	56,654.00
29.704	32mm NB	50.00	Mtr	940.77	47,038.50
	Providing, fixing, testing and commissioning of following size manually operated hand lever type cast iron double flanged slim seal wafer type Butterfly valves with EPDM iron disc as per IS-13095 having pressure rating PN -1.60 including fixing the same with supply of required jointing materials like rubber insertion, MS nuts & bolts, paint etc. and testing the joints with required water pressure etc. all complete as per specification & direction of E.I.C.MAKE:Zoloto/Audco/Eq make				

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29.705	150mm NB	3.00	Nos	7,192.10	21,576.30
29.706	80mm NB	1.00	Nos	6,473.53	6,473.53
	Providing, fixing, testing and commissioning of following size cast iron GATE valves as per IS-14846 having pressure rating PN -1.60 including fixing the same with supply of required jointing materials like rubber insertion, MS nuts & bolts, paint etc. and testing the joints with required water pressure etc. all complete as per specification & direction of E.I.C. MAKE:Zoloto/InterValve/Eq make				
29.707	150mm NB	2.00	Nos	22,822.41	45,644.82
29.708	80mm NB	1.00	Nos	11,402.01	11,402.01
	Providing, fitting & fixing of following size cast iron double flanged type dual plate Non return Valve as per IS- 5312 (Part 1): 2004 with ISI mark of pressure rating PN-1.60 including fixing the same with supply of required jointing materials like flanges, rubber insertion, MS nuts & bolts, paint etc. and testing the joints with required water pressure etc. all complete as per specification & direction of Engineer-in-charge. Zoloto/H Sarker/Eq make				
29.709	150mm NB	2.00	Nos	13,831.08	27,662.16
29.710	80mm NB	2.00	Nos	9,405.36	18,810.72
29.711	Supply,Installation,Testing & Commissioning of orifice plate made of 6mm thick stainless steel with orifice of required size in between flange and landing valve of external and internal hydrant to reduce pressure to working pressure of 3.5 Kg/ sq cm complete as required.	2.00	Nos	2,434.66	4,869.32
29.712	Supply,Installation,Testing & Commissioning of Pressure gauge of 0-16 Kg/sq.cm. range with cut-off bronze ball valves of suitable size with all accessories as per direction of Engineer-in-charge.MAKE: H-Guru/G-Guru/Eq.	2.00	Nos	2,821.52	5,643.04
29.713	Supply,Installation,Testing & Commissioning of Pressure Switch with cut-off bronze ball valves with integral strainer & flare nut (mixed ends) of suitable size with all accessories as per direction of Engineer-in-charge.MAKE: Indfos/Grundfos/Eq.	2.00	Nos	3,872.60	7,745.20
	Providing & Fixing of Sprinkler.				
29.714	Upright Sprinkler	20.00	Nos	719.37	14,387.40
29.715	Pendent Sprinkler	20.00	Nos	609.06	12,181.20
29.716	Providing & Fixing of 1.5M Flexible Pipe.	20.00	Nos.	3,872.60	77,452.00
	EXTINGUISHER SYSTEM				
29.717	Portable Fire Extinguisher System Supplying, installation, testing and commissioning of CO2 type Fire Extinguisher 4.5 kg capacity conforming to IS: 2878 made from ISI marked seamless cylinder conforming to IS: 7285, fitted with ISI marked controlled valve conforming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket as per direction of Engineer-in-charge. (Make: SUPREMEX / CEASEFIRE/MINIMAX)/Eq.	2.00	Nos	12,724.85	25,449.70
29.718	Supplying, installation, testing and commissioning of ABC type fire extinguishers of 6 kg capacity including cost of all material & labour etc complete.(Make: SUPREMEX / CEASEFIRE/MINIMAX)/Eq.	6.00	Nos	4,426.52	26,559.12
29.719	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.(Make: SUPREMEX / CEASEFIRE/MINIMAX)/Eq.	2.00	Nos	7,192.10	14,384.20
	AUTOMATIC FIRE DETECTION & ALARM SYSTEM				
29.720	Supplying, installation, testing and commissioning of Multi-criteria addressable fire detector that incorporates photoelectric and thermal sensors, with inbuilt isolator, Tri-color status LED with 360° viewing,UL Listed & FM Approved. MAKE: MORLEY IAS/Simplex/Edward/SECUTRON/Eq make	30.00	Nos	5,754.16	1,72,624.80
29.721	Response Indicator	15.00	Nos	719.37	10,790.55
29.722	Supply, Installation,Testing & Commissioning of Microprocessor based 2 loop fire alarm control panel with each loop capable of taking 99 devices, 8 line x 40 character alpha- numeric liquid crystal display .The panel shall be soft addressable type . The panel shall be able to give pin point location of all fire/fault conditions. Further, the panel must be able to automatically switch off respective control switches when ever any alarm is triggered. The panel shall have in built rectifier, Loop cards,provision for external & internal printer(if required), L C D unit to indicate Fire/Fault Signal with address and analog output, built in printer to log all fire or fault events complete in all respects, integral SMF lead acid batteries with sealed cells of 24 V capable of running for a minimum of 8 hours with integral battery charger complete as required and as per specification. The fire alarm panel shall be suitable for software integration with BMS & PA system. Make:MAKE: MORLEY IAS/Simplex/Edward/SECUTRON/Eq make	1.00	Nos	2,87,677.66	2,87,677.66
29.723	Supplying, installation, testing & commissioning of Addressable Single Output Module,Single Output Module, provides dry contact (Loop powered) or active output (24VDC required, cable monitored) (Certified by LPCB)) indicates system status: GREEN / AMBER / RED ,UL Listed. MAKE: MORLEY IAS/Simplex/Edward/SECUTRON/Eq make	1.00	Nos	8,299.13	8,299.13
29.724	Supplying, installing, testing and commissioning of Digital Manual Call Point, Flush mount Resettable (Non-Breaking Glass), Supplied with surface mount back box and Special Reset Key, Optional Accessories:4556356, 4556520(Certified by LPCB) MAKE: MAKE: MORLEY IAS/Simplex/Edward/SECUTRON/Eq make	2.00	Each	6,085.87	12,171.74
29.725	Supplying, installing, testing and commissioning of Intelligent Sounder Strobe, Sounder with Visible Indicator, high/low consumption modes, can be looppowered or 24VDC powered, 83-89dB UL listed, MAKE: MORLEY IAS/Simplex/Edward/SECUTRON/Eq make	2.00	Each	7,966.62	15,933.24
29.726	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable with pvc ,600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required	200.00	Mtr.	266.16	53,232.00
29.8	CCTV				

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29.801	UNV 5MP MINI BULLET CAMERA SKU : IPC2125LE-ADF28KM-G • High quality image with 5MP, 1/2.7"CMOS sensor • 5MP (2880*1620)@ 25/20fps; 4MP (2560*1440)@ 25/20fps; 3MP (2304*1296) @30/25fps; 2MP (1920*1080) @30/25fps; • Ultra 265, H.265, H.264, MJPEG • EasyStar technology ensures high image quality in low illumination environment • 120dB true WDR technology enables clear image in strong light scene • Support 9:16 Corridor Mode • Built-in Mic • Smart IR, up to 50m (164ft) IR distance • Supports 256 G Micro SD card • IP67 protection • Support PoE power supply • 3-Axis	22.00	Nos.	13,694.40	3,01,276.80
29.802	UNV 32 CHANNEL NVR	1.00	Nos.	46,010.90	46,010.90
29.803	NETGEAR 24-Port Gigabit Ethernet Hi-Power PoE+ Smart Switch with 2 SFP Ports and Cloud Management SKU : GS724TP 24 x PoE+ Gigabit ports with 190W ; PoE budget 380W PoE; 2 dedicated Gigabit SFP fiber uplink ports; Non-blocking switching with 52Gbps; Flexible rack-mounting option	1.00	Nos.	62,443.71	62,443.71
29.804	WD 8TB Purple Surveillance Internal Hard Drive SKU : WDCWD8001PURP -Digital Storage Capacity:8 TB -Hard Disk Interface:Serial ATA -Connectivity Technology:SATA -Hard Disk Form Factor:3.5 Inches -Hard Disk Description:Mechanical Hard Disk -Compatible Devices:Desktop -Hard Disk Size:8 TB -Hard Disk Rotational Speed:5400 RPM	1.00	Nos.	43,382.00	43,382.00
29.805	CAMERA MOUNTING BOX SKU : WBTJBABS40 Neutral color ABS junction box; SIZE: 100(W) x 100(D) x 40(H)mm; Material: Fresh ABS Plastic; Weight: 150g	22.00	Nos.	175.84	3,868.48
29.806	RJ45 CONNECTORS - DLINK SKU : RJ45 Operating temperature: -40°C to 80°C; Cable to plug tensile strength: 7.7 kgs	25.00	Nos.	55.15	1,378.75
29.807	HDMI CABLE - 1.5 MTR SKU : HDMI-1.5 MTR SUPPORTS UHD 4K & 2K @24 Hz AND 1080P; HDMI ETHERNET CHANNEL; DATA SPEED TRANSFER: EXCEEDS 10.2 GBPS; AUDIO RETURN CHANNEL; ALLOWS 3D OVER HDMI WHEN CONNECTED TO 3D DEVICES; ADDITIONAL COLOR SPACES (sYCC601, RGB & YCC601); TRIPLE SHIELDED CABLE WITH COPPER SHIELDED TYPE A CONNECTORS	1.00	Nos.	767.32	767.32
29.808	PATCH PANEL UTP 24P - DLINK - CAT6 SKU : DLINK PATCH PANEL-24P Identification: ID plate, PVC, Transparent color with paper; Material: Phosphor Bronze with Nickel Plated; Panel: SPCC, 1.5mm thickness with Black (RAL 9005) color painted; Jack Bracket Set: ABS, UL 94V-0; Contact Brackets: PC, UL 94V-2, Transparent color; Support Bar: SPCC, 1.5 mm thickness with Black (RAL 9005) color painted PCB: FR4, UL 94V-0; Finish: 50 micro-inches Gold plated on plug contact area	1.00	Nos.	6,463.93	6,463.93
29.809	DLINK-PATCH CORD - 1 MTR SKU : PATCHCORD 1M DLINK	24.00	Nos.	383.66	9,207.84
29.810	CAT6 UTP WIRE - 305M DLINK (GRAY) SKU : DLINK-CAT6-305 (GRY) Comply with Cat6 specifications; 4-pair unshielded twisted pair (UTP) cable; Pairs are braided in aluminum foil with drain wire 23 AWG solid copper conductor for superior conductivity; HDPE insulation; FR PVC Jacket; Verified compliant with EIA/TIA standards by ETL; UL-listed; Packaged in an easy-to-pull box for easier installation	4.00	Roll	18,076.16	72,304.64
29.811	Providing & Fixing of 18U Rack- Loaded.	1.00	Nos.	38,342.42	38,342.42
29.812	Providing & Fixing of PVC Pipe 25mm.	400.00	Mtr	104.70	41,880.00
29.813	One time Installation charges	1.00	Nos.	59,947.50	59,947.50
29.9	HVAC				
	Supply of machines				
29.901	Supply of split unit fix speed only cooling 1.5TR (including ITC) Make: Daikin	6.00	Nos.	46,479.29	2,78,875.74
29.902	Supply of ducted unit fix speed only cooling 5.5TR (including ITC) Make: Daikin	4.00	Nos.	1,26,984.79	5,07,939.16
29.903	Supply of ducted unit fix speed only cooling 8.5TR (including ITC) Make: Daikin	4.00	Nos.	1,65,551.01	6,62,204.04
	Low Side Work				
29.904	ITC of 1.5TR split unit (sl. no. 29.9.1 inclusive of ITC amount)	6.00	Nos.	-	-
29.905	ITC of 5.5TR ducted unit (sl. no. 29.9.2 inclusive of ITC amount)	4.00	Nos.	-	-
29.906	ITC of 8.5TR ducted unit (sl. no. 29.9.3 inclusive of ITC amount)	4.00	Nos.	-	-
29.907	SITC of copper piping for 1.0TR and 1.5TR split unit (12.7mm+19 mm thick insulation)	50.00	Rmt	407.64	20,382.00
29.908	SITC of copper piping for 5.5TR ducted unit (22.22mm+19 mm thick insulation)	80.00	Rmt	767.32	61,385.60
29.909	SITC of copper piping for 8.5TR ducted unit (28.58mm+19 mm thick insulation)	80.00	Rmt	959.16	76,732.80
	Drain Piping				

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29.910	Providing & fixing rigid PVC piping complete with fittings, supports as per specifications and pre insulated with 6mm thick closed cell elastomeric nitrile rubber tubular insulation. 25 mm dia	90.00	Rmt	211.01	18,990.90
	Transmission & Control Wiring -Providing & fixing control cum transmission wiring in medium duty PVC Conduit between indoor and outdoor units.				
29.911	3C x 1.5 Sqmm Cu Cable with 20 mm OD PVC Pipe	300.00	Rmt	75.93	22,779.00
29.912	3C x 2.5 Sqmm Cu Cable with 20 mm OD PVC Pipe	200.00	Rmt	109.50	21,900.00
29.913	Providing & fixing of MS stand for ducted unit	8.00	Nos	7,192.10	57,536.80
29.914	Providing & fixing of Stand for split unit	6.00	Nos	3,872.60	23,235.60
	Site Fabricated Duct - GI Sheet Metal duct-Supply & Installation of Sheet Metal Duct - Factory Fabricated 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. (Sheet Make - SAIL/TATA/JINDAL)				
29.915	0.6 mm (24 gauge)	180.00	Sqm.	1,217.33	2,19,119.40
29.916	0.8 mm (22 gauge)	150.00	Sqm.	1,438.74	2,15,811.00
29.917	Canvass connections between indoor units and ducts for ductables units.	8.00	Nos	2,656.07	21,248.56
29.918	Supply & Installation of Duct Thermal Insulation on ducts with Nitrile Rubber . The density of Material shall be between 40-60. Kg/cu.m 13 mm thick Nitrile rubber. (Make - K-Flex/A-Flex/Supreme)	300.00	Sqm.	664.21	1,99,263.00
29.919	Supply & Installation of Duct acaustic lining inside ducts with opencell 10mm thickness. . (Make - K-Flex/A-Flex/Supreme)	50.00	Sqm.	863.24	43,162.00
29.920	Supplying, installing, testing and balancing of Aluminum powder coated grilles of various -sizes. Each grill shall be with fixed horizontal front bar, air distribution grid for straightening the air flow through the collar. (Make: Systemair/Trueair/Airflow)	10.00	Sqm.	8,248.77	82,487.70
29.921	Supplying, installing, testing and commissioning of key operated Al. volume control damper for control of air flow on supply air grill and diffuser. (Make: Systemair/Trueair/Airflow)	5.00	Sqm.	6,417.57	32,087.85
30	AUDITORIUM DOOR				
30.1	supply installation of WOODAN DOOR THICK 70 MM, 12MM PLY BOTH SIDE, 38MM ALUMINIUM PIPE FOR FTAMING, ROCKWOOL, MDF FINISH IN BOTH, BB HING, TS5000 DOORCLOSER, FLUSH BOLT, DOUBLE DOOR PANIC BAR WITH TRIM. (SIZE 2100 X 1400-2 PC) GEZE MAKE HARDWARE	23.33	Sqm	29,797.10	6,95,166.34
31	LIGHTS				
31.1	CYLINDER BOLLARDS 10 W Make : Jaquar	100.00	Nos.	2,951.01	2,95,101.00
31.2	GROUND BURAL MIRA 65 5 W Make : Jaquar	25.00	Nos.	18,174.48	4,54,362.00
31.3	DOWN LIGHTS 6 W Make : Jaquar	50.00	Nos.	873.63	43,681.50
31.4	DOWN LIGHTS 18 W Make : Jaquar	22.00	Nos.	873.63	19,219.86
31.5	STREET LIGHT PCR 25 W Make : Jaquar	20.00	Nos.	1,731.28	34,625.60
31.6	WALL POINT	16.00	Nos.	4,425.72	70,811.52
31.7	BATTERN	6.00	Nos.	248.58	1,491.48
32	ELECTRICAL WORK (CLUB HOUSE)				
	A: INTERNAL WIRING : SITC of point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.0 sq. mm. off wires & 1 nos. of 1.0 sq. mm. earth wire with modular switch with company made flush metal box/surface PVC box etc. comp. These will be used with point wiring of light, fan, ex. fan, callbell points, etc. { Max. 3 Switchboards in one circuit - One Sp MCB }. Make : 20, 25, 32 mm dia. 1.5mm thick rigid PVC pipe. (MMS type), - VRAJ or Equivalent. FRLS PVC copper conductor wire. - Polycab or APAR ANUSHKTI. Computer data, Telephone, Intercom wire, CCTV wire - CAT 6, - D Link or APAR ANUSHKTI. Modular Switches and accessories. - Anchor Roma Plus or Equivalent. MCB / DB / SWITCHGEAR ITEMS. - Havells or Equivalent. LT cable 1.1KV - Aluminium (XLPE), copper (XLPE), Armoured ISI cable, Flexible Copper Cable - Polycab or Equivalent.				
32.01	One 5A switch controlling one light point. Make : Anchor Roma Plus	50.00	No.s	419.63	20,981.50
32.02	Loop light point from nearest light point.	15.00	No.s	224.60	3,369.00
32.03	One 5A switch controlling one fan point with socket type fan regulator. Make : Anchor Roma Plus	3.00	No.s	587.48	1,762.44
32.04	Two 5A switch controlling one light point. Make : Anchor Roma Plus	2.00	No.s	521.94	1,043.88
32.05	5A socket outlet with 5A switch (on common board) (1 FOR WATER COOLER) . Make : Anchor Roma Plus	18.00	No.s	224.60	4,042.80
32.06	5A socket outlet with 5A SP switch (as an independent point) - loop from nearest switch board . - MAX. 6 MTRS. SHOULD CONSIDERED FOR THE POINT WIRING.	22.00	No.s	442.01	9,724.22
32.07	SITC of 5/15 Amp. Switch and socket complete . These will be used for point wiring of power points etc. for lab instruments, water cooler, printers points. (without wiring) .	7.00	No.s	651.42	4,559.94

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	Providing, installing, testing, Commissioning of mains of following sizes PVC insulated copper conductor multistranded flexibles type wires with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark with following wires.				
32.08	2 nos. of 2.5 sq.mm wire and 1 no. of 1.0 sqmm pvc Insulated copper conductor wire (DB TO SB, SB TO SB) - { Max. 3 Switchboards in one circuit - One Sp MCB }.	350.00	Mtr.	92.71	32,448.50
32.09	2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire (DB TO AC & DB to 16 A. power point.) - { Max. 1 Switchboards in one circuit - One Sp MCB }.	250.00	Mtr.	119.09	29,772.50
	B: ITC of LIGHTING FIXTURES :				
	ITC of (including supply and fixing flexible wires from holder to fixtures hardwares etc.) of....				
32.10	ITC of 1 x 100 W / 150 W LED FLOOD LIGHT to be fixed on existing pole structure with all necessary hardwares etc. complete.	9.00	No.s	548.31	4,934.79
32.11	ITC of 48" Ceiling Fan with Max. 3 feet Fan Rode, Anchor Fastner, etc.	3.00	No.s	219.80	659.40
32.12	ITC of ex. Fan with all necessary connections, hardwares for screws, etc.	14.00	No.s	219.80	3,077.20
	C: DISTRIBUTION BOARD AND PANELS :				
	Supply, installing, testing and commissioning of metallic double door type distribution board with all necessary connection complete to be installed concealed in wall / surface mount complete to the satisfaction of the Engineer in charge. The DB should be of same make as MCB make. Make : 20, 25, 32 mm dia. 1.5mm thick rigid PVC pipe. (MMS type). - VRAJ or Equivalent. FRLS PVC copper conductor wire. - Polycab or APAR ANUSHKTI. Computer data, Telephone, Intercom wire, CCTV wire - CAT 6. - D Link or APAR ANUSHKTI. Modular Switches and accessories. - Anchor Roma Plus or Equivalent. MCB / DB / SWITCHGEAR ITEMS. - Havells or Equivalent. LT cable 1.1KV - Aluminium (XLPE), copper (XLPE), Armoured ISI cable, Flexible Copper Cable - Polycab or Equivalent.				
32.13	8 - WAY TPN DB : (LDB). incoming : 63 A FP MCB - 1 NO . outgoing : 40 Amp. DP RCCB, 100 mA. (3 nos). outgoing : 10 to 20 A SP MCB (18 nos).	2.00	No.s	11,378.83	22,757.66
32.14	6 - WAY TPN DB : (LDB). incoming : 40 A FP MCB - 1 NO . outgoing : 25 Amp. DP RCCB, 100 mA. (3 nos). outgoing : 16 A SP MCB (9 nos).	1.00	No.s	10,912.84	10,912.84
32.15	Providing and Installing of 100A MCCB FP with metal enclosure & required rating of Al. busbar for connections of load cables of DBs. (lcs =100% lcu., confirmed to IS / IEC 60947 -2 adjustable Ir rating from 0.7 to 1) Unit fixing at DB area.	2.00	No.s	5,762.95	11,525.90
	D: EARTHING SYSTEM: MAKE : 20, 25, 32 mm dia. 1.5mm thick rigid PVC pipe. (MMS type). - VRAJ or Equivalent. FRLS PVC copper conductor wire. - Polycab or APAR ANUSHKTI. Computer data, Telephone, Intercom wire, CCTV wire - CAT 6. - D Link or APAR ANUSHKTI. Modular Switches and accessories. - Anchor Roma Plus or Equivalent. MCB / DB / SWITCHGEAR ITEMS. - Havells or Equivalent. LT cable 1.1KV - Aluminium (XLPE), copper (XLPE), Armoured ISI cable, Flexible Copper Cable - Polycab or Equivalent.				
	SITC of Earthing Pit with all necessary material and making masonry kundi, watering arrangement etc complete as per ISI 3043-1987.				
	Supply, laying and jointing of following wire / strip / earth cable on walls, ceiling etc. With necessary non rusting clamps, washers, nuts and bolts etc complete.				
32.16	6.0 sq. mm. earth wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / buried in floor etc. complete from existing earth pit to main mccb.	50.00	Rmt	70.33	3,516.50
32.17	2.5 sq. mm. earth wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / buried in floor etc. complete from mainn mccb to diff DBs & from mccb to ac outdoor units.	150.00	Rmt	41.56	6,234.00
	E: CABLES & CABLE TERMINATIONS:				
	Supply, Laying, installation, testing and commissioning of following sizes of PVC insulated PVC sheathed copper / aluminum conductor armoured cable to be laying in existing cable trench or to be laid in existing pipes of with necessary clamps, spacers with cleating on wall ceiling etc. complete to the satisfaction of EIC.(LENTH TO BE VERIFY AT SITE). MAKE : 20, 25, 32 mm dia. 1.5mm thick rigid PVC pipe. (MMS type). - VRAJ or Equivalent. FRLS PVC copper conductor wire. - Polycab or APAR ANUSHKTI. Computer data, Telephone, Intercom wire, CCTV wire - CAT 6. - D Link or APAR ANUSHKTI. Modular Switches and accessories. - Anchor Roma Plus or Equivalent. MCB / DB / SWITCHGEAR ITEMS. - Havells or Equivalent. LT cable 1.1KV - Aluminium (XLPE), copper (XLPE), Armoured ISI cable, Flexible Copper Cable - Polycab or Equivalent.				
32.18	3.5 C x 50.0 sq. mm Alu. Conductor AYYF cable. (main cable from main mccb to main mccb nr. energy meter) (LENGTH as per site condition).	100.00	Mtr.	433.22	43,322.00
32.19	4 C X 6.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (main switch to all diff dbs.).	20.00	Mtr.	410.84	8,216.80
32.20	4 C X 6.0 sq. mm Cu . Conductor YWY cable . (main switch to db at gate 2.).	100.00	Mtr.	422.03	42,203.00
32.21	4 C x 2.5 sq. mm Cu . Conductor YWY cable. (for streetlights).	125.00	Mtr.	191.83	23,978.75

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32.22	3 C X 2.5 sq. mm. flexible PVC Insulated copper conductor cable laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark from LDB sp mcb to bollard lights fixtures & from streetlight pole junction box to streetlight fixtures.	1650.00	Mtr.	159.06	2,62,449.00
	End termination of following PVC insulated armoured cables including supply and fixing of brass single compression type cable glands and crimping type aluminum / copper lugs suitable for terminations of armoured cables of following overall diameters, incl.				
32.23	3.5 C x 50.0 sq. mm Alu. Conductor AYFY cable. (main cable from main mccb to main mccb nr. energy meter) .	2.00	No.s	219.80	439.60
32.24	4 C X 6.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark . (main switch to all diff dbs.).	4.00	No.s	164.65	658.60
32.25	4 C X 6.0 sq. mm Cu. Conductor YWY cable . (main switch to db at gate 2.).	2.00	No.s	164.65	329.30
32.26	3 C X 2.5 sq. mm. flexible PVC Insulated copper conductor cable laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark from LDB sp mcb to streetlight pole junction box.	30.00	No.s	110.30	3,309.00
	F: MISCELLANEOUS ITEMS :				
32.27	Supply & laying of the empty conduit . - 25 mm.	50.00	Mtr.	28.77	1,438.50
32.28	Supply & laying of the empty conduit . - 40 mm.	10.00	Mtr.	59.94	599.40
32.29	SITC of pole junction box with connectors & 6 A sp mcb to be mounted on pole with necessary clamps, bolts , etc.	15.00	No.s	1,370.00	20,550.00
32.30	SITC of 6.0 mtr octagonal pole with top of 70 mm , bottom of 135 mm , base plate 200 x 200 x 12 mm, 3.0 mm thickness , 1 mtr single arm bracket as per GI 03 (42 mm dia pipe) . M16 x 600 mm GI plating J type foundation bolts, etc.	15.00	No.s	15,885.28	2,38,279.20
32.31	SITC of 1 mtr single bracket arm as per GI 03 (42 mm dia pipe) with all necessary hardwares, screws, etc.	15.00	No.s	2,739.20	41,088.00
32.32	SITC of 50 mm DWC pipes laying on floor for cables.	1850.00	Mtr.	57.54	1,06,449.00
32.33	SITC of 100 mm DWC pipes laying on floor for cables.	150.00	Mtr.	127.08	19,062.00
32.34	SITC of 150 mm DWC pipes laying on floor for cables.	150.00	Mtr.	438.81	65,821.50
32.35	LIASONING WORK WITH POWER SUPPLY CO. & ELE. INSPECTOR'S OFFICE WITH ALL NECESSARY CERTIFICATES.	1.00	Job	27,388.01	27,388.01
32.36	Providing Necessary plug points & light points for tube lights (including necessary wiring) at various locations as required by various contractors for execution of various works / to run equipments such as drill / cutter etc. during the entire execution process. The accessories used for this purpose shall be of temp. nature (anchor piano or eq.) & the contractor has to take back the same on completion of the project. The supply for this shall be taken from the temporary connection provided at / from nearby general meter under co.ordination with the LANDLORD. ELCB must be compulsory for every temporary switchboard.	1.00	Job	9,311.84	9,311.84
	G: CCTV SYSTEM:				
32.37	Providing, installing, testing, commissioning of CAT 6 UTP pvc insulated copper conductor data cable of D-link make with 20/25 dia. PVC conduits with accessories duly buried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. with ferrule numbering at both ends of each of piece of cable etc. complete as per the requirement for CCTV system .	650.00	Mtr.	93.51	60,781.50
32.38	CCTV CAMERA SYSTEM				
32.3801	DAHUA 32 CH. STAND-ALONE METAL NVR	1.00	Job	19,171.21	19,171.21
32.3802	DAHUA 2mp METAL DOOM HDW 1230SP - S4 CAMERA	8.00	Nos.	2,465.04	19,720.32
32.3803	DAHUA 2mp METAL BULET HDW 1230SP - S4 CAMERA	14.00	Nos.	2,301.18	32,216.52
32.3804	NETGEAR 8 PORT GIGA POE SWITCH (GS108LP)	3.00	Nos.	8,107.29	24,321.87
32.3805	SURVEILLANCE SEGATE 4 TB HARD DISK	2.00	Nos.	9,257.49	18,514.98
32.3806	EXTRA ACCESSORIES (CONNECTOR PVC BOX)	22.00	Nos.	131.88	2,901.36
32.3807	6U RACK WITH ACCESSORIES	1.00	Nos.	5,751.76	5,751.76
32.3808	ONE TIME CAMERA SETUP INSTALLATION	1.00	job	16,432.80	16,432.80
32.3809	D LINK CAT -6 CABLE (FOR INSIDE) (APROX)	1.00	bundle	8,271.15	8,271.15
32.3810	D LINK CAT -6 CABLE (FOR OUT SIDE) (APROX)	2.00	bundle	11,502.72	23,005.44
32.3811	CABLE LAYING WITH MATERIAL (APROX)	915.00	mtr	55.15	50,462.25
	H: ELECTRICAL WORK (AUDITORIUM TOILET)				
	SITC of point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.0 sq. mm. off wires & 1 nos. of 1.0 sq. mm. earth wire with modular switch with company made flush metal box/surface PVC box etc. comp. These will be used with point wiring of light, fan, ex. fan, callbell points, etc. { Max. 3 Switchboards in one circuit - One Sp MCB }.				
	MAKE : 20, 25, 32 mm dia. 1.5mm thick rigid PVC pipe. (MMS type). - VRAJ or Equivalent. FRLS PVC copper conductor wire. - Polycab or APAR ANUSHKTI. Computer data, Telephone, Intercom wire, CCTV wire - CAT 6. - D Link or APAR ANUSHKTI. Modular Switches and accessories. - Anchor Roma Plus or Equivalent. MCB / DB / SWITCHGEAR ITEMS. - Havells or Equivalent. LT cable 1.1KV - Aluminium (XLPE), copper (XLPE), Armoured ISI cable, Flexible Copper Cable - Polycab or Equivalent.				
32.39	One 5A switch controlling one light point.	20.00	No.s	419.63	8,392.60
32.40	Loop light point from nearest light point.	5.00	No.s	224.60	1,123.00
32.41	One 5A switch controlling one fan point with socket type fan regulator.	2.00	No.s	587.48	1,174.96
32.42	5A socket outlet with 5A switch (on common board) (1 FOR WATER COOLER) .	6.00	No.s	224.60	1,347.60

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MKNR B-11, ONGC, Vadodra-9

32.43	5A socket outlet with 5A SP switch (as an independent point) - loop from nearest switch board - MAX. 6 MTRS. SHOULD CONSIDERED FOR THE POINT WIRING.	10.00	No.s	442.01	4,420.10
32.44	SITC of 5/15 Amp. Switch and socket complete. These will be used for point wiring of power points etc. for lab instruments, water cooler, printers points. (without wiring).	2.00	No.s	651.42	1,302.84
	Providing, Installing, testing, Commissioning of mains of following sizes PVC Insulated copper conductor multistranded flexible type wires with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark with following wires.				
32.45	2 nos. of 2.5 sq.mm wire and 1 no. of 1.0 sqmm pvc Insulated copper conductor wire (DB TO SB, SB TO SB) - (Max. 3 Switchboards in one circuit - One Sp MCB).	75.00	Mtr.	92.71	6,953.25
	I: ITC OF LIGHTING FIXTURES :				
	ITC of (including supply and fixing flexible wires from holder to fixtures hardwares etc.) of....				
32.46	ITC of 1 x 8 W Square / Round LED DOWN LIGHT to be recessed in false ceiling with all necessary hardwares, etc. complete.	12.00	No.s	246.98	2,963.76
32.47	ITC of 1 x 18 W Square / Round LED DOWN LIGHT to be recessed in false ceiling with all necessary hardwares, chains, hook etc. complete.	6.00	No.s	246.98	1,481.88
32.48	ITC of 1 x 18 W Square / Round LED WALL LIGHT to be fixed on wall with all necessary hardwares, chains, hook etc. complete.	6.00	No.s	246.98	1,481.88
32.49	ITC of 48" Ceiling Fan with Max. 3 feet Fan Rode, Anchor Fastner, etc.	2.00	No.s	219.80	439.60
32.50	ITC of ex. Fan with all necessary connctions, hardwares for screws, etc.	8.00	No.s	219.80	1,758.40
33	FURNITURE (GREEN ROOM)				
33.1	FURNITURE- GREEN ROOM				
33.101	Center Table Size - 1200 x 900 x 750mm - Providing and supply Top - 25mm thick Prelam MDF with 2mm thick pvc edge bidding finish. Double pillar stainless steel stand, 700x400 base plat /750mm ht. CFT 002 Size - 1200 x 900 x 750mm	2.00	No.s	17,175.35	34,350.70
33.2	FURNITURE- LOUNGE AND BILLIARD ROOM				
33.201	3 Seater Sofa - Providing and supply Sofa sturcture made from 18mm MR Grade Mr grad plywood supported with Maranti Solid wood, back side and curved part Covered with 3mm flexi ply, sofa arm made from 12mm thick MR Grade Mr grad plywood supported with maranti solid wood. Elastic Belt, 75mm board & 2.25 mm thick elastic webbing stapling in seat frame at 100 mm centre to centre distance, belt fastern in X and Y axes of seat, elastic belt elongation 45% tensile strength 350 kg. Foam 100 mm X 40 density Premium Quality foam covered with 25mm X 32 density super soft Premium Quality Foam for soft touch filling in seat. 50 mm X 40 density Premium Quality foam covered with 25mm X 32 density super soft Premium Quality foam for soft touch filling in back. Stiching Stiching work done with well known german brand (Aman / Gutermann) Thread. Nylone & Polyester thread used as per application. Stainless steel U shaped frame, size 2 inch wide and 8 mm thick SS 202 Grade plate used in sofa for legs.	4.00	No.s	78,876.52	3,15,506.08
33.202	1 Seater Sofa- Providing and supply Sofa sturcture made from 18mm MR Grade Mr grad plywood supported with Maranti Solid wood, back side and curved part Covered with 3mm flexi ply, sofa arm made from 12mm thick MR Grade Mr grad plywood supported with maranti solid wood. Elastic Belt, 75mm board & 2.25 mm thick elastic webbing stapling in seat frame at 100 mm centre to centre distance, belt fastern in X and Y axes of seat, elastic belt elongation 45% tensile strength 350 kg. Foam 100 mm X 40 density Premium Quality foam covered with 25mm X 32 density super soft Premium Quality Foam for soft touch filling in seat. 50 mm X 40 density Premium Quality foam covered with 25mm X 32 density super soft Premium Quality foam for soft touch filling in back. Stiching Stiching work done with well known german brand (Aman / Gutermann) Thread. Nylone & Polyester thread used as per application. Stainless steel U shaped frame, size 2 inch wide and 8 mm thick SS 202 Grade plate used in sofa for legs.	8.00	No.s	46,010.90	3,68,087.20
33.203	Centre Table - Providing and supply work Table with MDU 1200 x 600 x 750 Top Top 25 mm thick Prelam PLB Board with 2 mm thick PVC edge bidding finish. Legs: Open type legs 50x50mm CRCA Pipe Under structure Metal powder coated finish. Apron M.S. Perforated Sheet with powder coated finish. PLB MDU 450 x 450 x 650mm with three Drawer plb finish. with four Castor with lock and nessary hardware	4.00	No.s	19,171.21	76,684.84
33.3	FURNITURE- STORE AND MAINTENANCE ROOM				
33.301	Table size 1200mm W X 600mm D X 750mm H- Providing and supply work Table with MDU 1200 x 600 x 750 Top Top 25 mm thick Prelam PLB Board with 2 mm thick PVC edge bidding finish. Legs: Open type legs 50x50mm CRCA Pipe Under structure Metal powder coated finish. Apron M.S. Perforated Sheet with powder coated finish. PLB MDU 450 x 450 x 650mm with three Drawer plb finish. with four Castor with lock and nessary hardware	1.00	No.s	19,171.21	19,171.21
33.302	Swivel Chair - Providing and supply Seat and back in single piece with integrated arms like bucket shape, nylon moulded of 450 to 500 density fix inner and outer snap fit arrangement in back with mesh fabric inside on equal interval of rectangular slots design. The mechanism of the chair have have following features : 360° revolving type, 2.5mm thk CRCA powder coated center tilt Mechanism, Tilt tension adjustment, locking in single position, Plastic component inside the mechanism of Grade - MI 3530 and Epoxy Powder coated 70 Microns with tested 1.2 lacs cycles as per BIFMA Standard The chair have be provided with pneumatic height adjustment which have have stroke of 100 +/- 5 mm. The Base have be made of injection moulded nylon. It have be fitted with 5 nos. twin wheel castor - 50 mm diameter. The size of the base be 660 +/- 1 mm pitch-centre-diameter. The twin wheel castors have be made of Nylon injection moulded in black colour.	1.00	No.s	7,395.12	7,395.12
33.303	Providing, and Arranging Steel Cupboard construction CRCA sheet 20 Gauge, Door And Outer Body CRCA sheet 22 gauge, Door locking mechanism with shooting bolt, with 4 adjustable shelf CRCA 20 gauge making five compartments, Uniformly Distributed load capacity per each shelf is 40 Kg maximum, finished with epoxy powder coated to the thickness of 50 microns, including all necessary fixtures, fastners machinery etc.	1.00	No.s	41,081.62	41,081.62

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34	EXTRA ITEM - SCULPTURE (as per direction of Architect consultant in consultation with EIC)	1.00	No.s	6,39,440.00	6,39,440.00
35	PLUMBING WORK				
	W.C				
35.01	Providing and fixing white vitreous china extended wall mounting water closet of size 375x520x400 mm mm (Model No- SLS-WHT-6953BIPPSM, Jaquar make)	20.00	NOS	16,043.54	3,20,870.80
35.02	Providing and fixing Hand Shower (Health Faucet) with 1 Meter Long Easy Flex Tube and Wall Hook with N.R.V (Back Flow Preventer) (Model no - ALD-579, Jaquar make) & Round Wall Outlet with Shower Hook and Shutoff Valve (Model no - ALD-591R, Jaquar make)	20.00	NOS	3,983.71	79,674.20
35.03	Providing and fixing C.P. Brass Two way bib cock with flange of approved quality and make. (Model No- CON-041KN, Jaquar make)	20.00	NOS	1,826.40	36,528.00
35.04	Providing and fixing Metropole Flush Valve Dual Flow 32mm Size (Concealed Body) with Exposed Shut Off Provision & Round Flange (3.0/6.0 Lts. Per Flushing) (Model No- FLV-1085N, Jaquar make)	20.00	NOS	6,085.87	1,21,717.40
	SHOWER				
35.05	P&F Overhead Shower 100X100mm Square Shape Single Flow (Face Plate Stainless Steel & ABS Body in Chrome finish) with Rubit Cleaning System	5.00	NOS	3,319.49	16,597.45
35.06	Providing and fixing heavy ISI marked single lever concealed diverter for bath & shower system Rain shower & its accessories. (Model No LYR-38421 Jaquar make OR consider equivalent make)	5.00	NOS	16,597.46	82,987.30
	WASH BASIN				
35.07	Providing & Fixing White Vitreous China of Jaguar make or equivalent under counter type Rectangular wash basin of size 530x420x140 mm mm with CI brackets suitable for mounting below granite counter including waste fitting with CP brass bottle trap, angle valve with CP connection etc as specified. (Model No- JDS-WHT-25907N, Jaquar make)	18.00	NOS	10,511.59	1,89,208.62
35.08	Providing & Fixing Bottle Trap 32mm Size with 250mm & 190mm Long Wall Connection Pipes & Wall Flange (Model No- ALD-769L250x190, Jaquar make)	18.00	NOS	2,766.37	49,794.66
35.09	P&F Waste Coupling 32mm Size Full Thread with 130mm height (Model No- ALD-705L130, Jaquar make)	18.00	NOS	995.92	17,926.56
35.10	Exposed Part Kit of Single Concealed Stop Cock Consisting of Operating Lever, Cartridge Sleeve, Wall Flange (with Seals) & Basin Spout (Model No- OPP-15441KPM, Jaquar make)	18.00	NOS	3,209.18	57,765.24
35.11	Providing and fixing Liquid soap container of Model No- ACN-1135N, Jaquar make	18.00	NOS	2,213.26	39,838.68
	SUPPLY PIPE :				
35.12	Providing and fixing chlorinated polyvinyl chloride(CPCV) pipes , Having thermal Stability for hot and cold water supply including all CPVC plain & brass threaded Fittings this includes jointing of pipes & fittings with one step CPVC solvent cement, trenching , refilling & testing of joints complete as per direction of Engineer In Charge. 50mm nominal Dia Pipes	200.00	Rmt.	634.84	1,26,968.00
	DRAINAGE PIPE :				
35.13	Providing and fixing in position uPVC/SWR pipe 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary & making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(No separte payment shall be made for fittings and accessories).	300.00	Rmt.	2,169.30	6,50,790.00
35.14	Providing and fixing in position uPVC/SWR pipe 40 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary & making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(No separte payment shall be made for fittings and accessories).	100.00	Rmt.	597.87	59,787.00
35.15	Providing and fixing 100mm dia UPVC 40mm deepNahani trap with 150mm square brass C.P. grating of cement joint, PCC bedding etc. complete.	33.00	No.s	1,328.43	43,838.19
35.16	Construction Brick Masonry chamber for underground C.I insepction chamber and bends with brick in cement mortar 1 : 4 (1 Cement : 4 Coarse sand)C.I Cover With Frame (light duty) 455 x 610 mm internal deminsions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) , R.C.C top slab with 1 :1.5 : 3 Mix (1 Cement : 1.5 Fine sand : 3 graded stone aggregate 20 mm nominal size) Foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 nominal Size), inside plastering 12mm thick with cement mortar 1 : 3 (1 Cement : 3 coarse sand) , finsihed smoth with a floating coat of neat cement on walls and bed concrete etc. Complete as per standard Design : inside Dimensions 600 x 850 mm and 45 cm deep for pipe line with three or more inlets : with Common Burnt clay F.P.S (non modular) bricks of class designation 7.5	15.00	No.s	7,668.76	1,15,031.40
36	PLUMBING WORK LANDSCAPE				
	SUPPLY PIPE :				
36.1	Providing and fixing chlorinated polyvinyl chloride(CPCV) pipes , Having thermal Stability for hot and cold water supply including all CPVC plain & brass threaded Fittings this includes jointing of pipes & fittings with one step CPVC solvent cement, trenching , refilling & testing of joints complete as per direction of Engineer In Charge. 50mm nominal Dia Pipes	250.00	RMT	634.84	1,58,710.00
	RAIN WATER PIPE :				
36.2	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (i) Single socketed pipes 110 mm diameter.	45.00	RMT	301.65	13,574.25
	DRAINAGE PIPE :				
36.3	Providing and fixing in position uPVC/SWR pipe 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary & making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(No separte payment shall be made for fittings and accessories).	300.00	RMT	2,169.30	6,50,790.00
37	BILLIARD ROOM				

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37.1	Supply and installation of Curtains with necessary fittings	35.95	Rmt.	1,007.91	36,234.36
37.2	WOODEN FLOORING - 25mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with second class teak wood	137.83	Sqm	3,604.00	4,96,739.32
37.3	Supply and installation of billiard light with necessary fittings (Model no. IPN-WHT-LULU4SL033XC, Jaquar make)	1.00	nos.	3,232.36	3,232.36
37.4	Billiards Table: Providing & fixing of Billiards Table having standard size of (10-ft x 5 feet x 32 inches height) table, the playing surface (the dimensions between the noses of the cushions) measures 100 inches (254 cm) by 50 inches (127 cm) with a 1/8-inch (3.2 mm) margin of error for either dimension. The cue area around the table should be 48 inches.	1.00	nos.	1,91,263.69	1,91,263.69
38	Floor Protection (as per requirement and direction of EIC)	513.14	Sqm	298.13	1,52,982.43
39	SONY BRAVIA 2-S25B 4K HDR Smart TV 139CM (55 INCH) Screen Size: 55 inches Display Technology: LED Display: 4k LED; 4K Processor x 1; Live Color; 4K X-Reality PRO; Resolution: 4k Ultra HD (3840 x 2160); Refresh Rate: 60 Hz; Connectivity: 3 HDMI ports, 2 USB ports; Sound: 20 Watts Output, 2ch, Open Baffle Speaker, Dolby Audio, 2 Full Range (44.5 x 106mm) Smart TV features: Google TV, Google Assistant, Built in Chromecast, etc. (in case of non-availability / discontinuation of specified product during execution stage of works, TV with same / equivalent / higher specifications as directed by EIC shall be provided by agency without any additional cost)	2.00	nos.	92,745.97	1,85,491.94
40	Consultancy Services for designing and planning @1% of total cost of the Project in line with CPWD PAR 2023 guidelines: Separate agency for Consultancy services having suitable experience towards renovation projects for office buildings / hotels / private social clubs / commercial spaces etc. shall be engaged by the successful bidder for providing requisite designs as per the requirement and overall planning of progressive execution of works for streamlining of various activities to achieve timely completion of works. The successful bidder shall submit the credentials of proposed agency along with their past experience criteria to EIC prior to commencement of works. The agency shall be engaged by the contractor after the go-ahead in this regard by EIC.	1.00	AU	6,13,830.90	6,13,830.90


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TOTAL AWARDED VALUE:

Rs. 6,19,96,921.92


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