



छत्तीसगढ़ शासन

कार्यालय प्रमुख अभियंता,
लोक निर्माण विभाग, नवा रायपुर अटल नगर (छ.ग.)

भवन एस.ओ.आर. में दिनांक 01.01.2015 से
प्रमुख अभियंता कार्यालय द्वारा स्वीकृत नॉन एस.ओ.आर.
आयटमों की सूची।

**(SOR FOR SPECIALIZED ITEM FOR
BUILDING WORKS W.E.F. 10.08.2026)**

**कार्यालय प्रमुख अभियंता, लोक निर्माण विभाग,
निर्माण भवन, नार्थ ब्लॉक, सेक्टर 19, नवा रायपुर अटल नगर (छ.ग.)**

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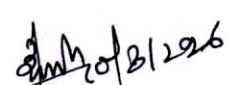
ज्ञाप क्र. 65011/793/एस.ओ.आर./26

नवा रायपुर अटल नगर, दिनांक 10/08/2026

// आदेश //

भवन एस.ओ.आर. दिनांक 01.01.2015 जारी होने के उपरांत प्रमुख अभियंता कार्यालय द्वारा कार्य की आवश्यकतानुसार विभिन्न परियोजनाओं में स्वीकृत नॉन एस.ओ.आर. आयटमों से छत्तीसगढ़ शासन लोक निर्माण विभाग के आदेश क्रमांक GENS/16524/2026 PWD SECTION/Nivida नवा रायपुर दिनांक 03.06.2026 द्वारा निर्माण कार्यों में जी.एस.टी. के संबंध में परिपत्र जारी करते हुए लोक निर्माण विभाग में लागू निविदा अनुबंध की कंडिकाओं में Tax Clause में संशोधन जारी किये हैं। तदनुसार पूर्व स्वीकृत आयटमों से EXCISE/VAT/GST को पृथक कर, नवीन दर (Reduced Rate) के साथ उपरोक्त सभी NON SOR ITEMS की सूची Chapterwise तैयार की गई है, इसे SPECIALIZED SOR ITEM FOR BUILDING WORK - 10.08.2026 जारी किया जा रहा है।

उपरोक्त आयटमों का उपयोग अधोहस्ताक्षरकर्ता प्रमुख अभियंता के लिखित अनुमति के उपरांत ही किया जाना है।


प्रमुख अभियंता

लोक निर्माण विभाग



नवा रायपुर अटल नगर (छ.ग.)

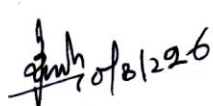
पृ. क्र. 65011/793/एस.ओ.आर./26

नवा रायपुर अटल नगर, दिनांक 10/08/2026

प्रतिलिपि:-

1. निज सचिव, माननीय मंत्रीजी, छ.ग. शासन, लोक निर्माण विभाग, नवा रायपुर
2. सचिव, छ.ग. शासन, लो.नि.वि., मंत्रालय-महानदी भवन नवा रायपुर अटल नगर,
3. सचिव, छ.ग. शासन, वित्त विभाग, मंत्रालय-महानदी भवन नवा रायपुर अटल नगर,
4. महालेखाकार, छत्तीसगढ़ रायपुर
5. मुख्य तकनीकी परीक्षक (सर्तकता), छत्तीसगढ़ नवा रायपुर अटल नगर
6. संभाग आयुक्त, रायपुर/दुर्ग/बिलासपुर/अम्बिकापुर/जगदलपुर
7. मुख्य अभियंता, लोक निर्माण विभाग,परिक्षेत्र.....
8. अधीक्षण अभियंता, लोक निर्माण विभाग,मण्डल.....
9. कार्यपालन अभियंता, लोक निर्माण विभाग, संभाग.....
10. कार्यपालन अभियंता, नगर निगम रायपुर
11. इस कार्यालय के सर्वर रूम की ओर विभाग के साईट में अपलोड करने हेतु अग्रेषित।
12. इस कार्यालय के निविदा/सामान्य/कार्य/योजना/सर्तकता खण्ड की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

**सहपत्र :- SPECIALIZED SOR ITEM FOR
BUILDING WORK - 10.08.2026**


प्रमुख अभियंता

लोक निर्माण विभाग



नवा रायपुर अटल नगर (छ.ग.)

SPECIALIZED ITEM FOR BUILDING WORKS SOR 10.08.2026

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SPECIALIZED ITEM - EARTH WORK

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Anti termite treatment of lawn area through Imidacloprid 30.50% I P. of approved make premise/as equivalent, one liter mixed with water in ratio/dilution 1/499 liters water and applying solution @ 1.00 litre solution per sqm lawn or bed area two times spray application as per direction of officer-in-charge complete as per direction of Engineer-in-Charge.	Sqm	8.50
2	Excavation in soft/ disintegrated/ weathered rock including wet excavation, dressing, lacing the excavated material neatly in pecified dump area or disposing off the same as directed, including cost of dewatering, site clearance, all materials, machinery, labour and dressing, including all lead and lifts etc., complete.	Cum	372.00
3	Earthwork for embankment adjacent to masonry/ concrete structures key wall, sluice barrel etc. and filling trial pits using selected soil from approved borrow area in layers of 100 to 150 mm (before compaction) including cost of all materials, machinery, labour, all other operations such as collection of soil, picking previous layer, spreading soil in layer of specified thickness, sorting out, breaking clods, levelling, sectioning edges/ sides, watering, compacting to maximum dry density using pneumatic tampers/ vibrating earth rammers and all other ancillary operations complete including all lead and lifts.	Cum	260.00

SPECIALIZED ITEM - CEMENT CONCRETE (PLAIN AND REINFROCED)

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Making of artistic Roman Style column in R.C.C. column 600mm dia and total height 8.85 mt with designer capital at top & Designer base at bottom and centre remaining part finished with artistic grooves with good apperance. All work is to done with cement mortal 1:1 and chicken wire mesh as reinforcement. Rate is inclusive of all required scaffolding tool & tackles and with all artist, labour. All Work should be done with satisfaction of engineer in charge/Architect. (Detail Drawing ia attched)	Each	36434.00
2	Making of artistic Roman Style column in R.C.C. column 500mm dia and total height 6.23 mt with designer capital at top & Designer base at bottom and centre remaining part finished with artistic grooves with good apperance. All work is to done with cement mortal 1:1 and chicken wire mesh as reinforcement. Rate is inclusive of all required scaffolding tool & tackles and with all artist, labour. All Work should be done with satisfaction of engineer in charge/Architect. (Detail Drawing ia attched)	Each	25860.00
3	Making of artistic Roman Style column in R.C.C. column 300mm dia and total height 3.88 mt with designer capital at top & Designer base at bottom and centre remaining part finished with artistic grooves with good apperance. All work is to done with cement mortal 1:1 and chicken wire mesh as reinforcement. Rate is inclusive of all required scaffolding tool & tackles and with all artist, labour. All Work should be done with satisfaction of engineer in charge/Architect. (Detail Drawing ia attched)	Each	12090.00
4	Providing and fixing of precast PCC/RCC Pillar 650mm height and 120mm dia in railing or in perapet wall at all level histing and fixing with 10mm dia 750mm length m.s. bar in hole provided in pillar with Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and align in correct line and level inclusive of all labour etc. complete.	Each	221.00
5	Providing & Fixing Hydrophilic base 100 mm wide, 5 mm thick fixed at place of Concrete Joints during the execution of work. The Hydrophilic base jointing (resweallable water bar) having a swelling capacity of 800% Make Like MYK SCHOMBURG, Krishna Conchem Products Pvt. Ltd., POLYGEL	Rmts.	677.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
6	M25 RCC diaphragm wall with graded aggregate of maximum size 20mm excavating trench, reinforcement, grouting of joints, performance of all test and trimming top 0.50m including cost of all operations with all lead and lift, etc complete in all respect (40kg steel).	Cum	19512.00
7	Consolidation grouting with neat cement grout mix of suitable consistency under specified grout pressure as directed in drilled holes by stage grouting method including cost of all materials, machinery, labour, redrilling, if necessary, required admixtures with all other ancillary operations complete including all lead and lifts.	Tonne	11492.00
8	Providing and constructing contraction joints by fixing 16 SWG 60 cm wide annealed copper sheets in single line with 8 mm dia. steel dowel rods on either side at 1 metre interval including cost of all materials, machinery, labour and all other ancillary operations complete including all leads and lifts.	Rm.	12509.00

SPECIALIZED ITEM - WATER PROOFING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Providing of Water Proffing Treatement During Concreting: - Integral water proofing compound confirm to IS 2645 : 2003 should be used @ 200 gram as per consumption of every 50kg bag of cement mentioning with the low water cement ratio. After Concreting: - Cementation grouting to be adopted to honey comb area and bottom most construction joint with cement slurry and non-shrink grout material mix and grout by low pressure grouting machine. All the construction joints and junction of pipe should be Fixed with Polyurethane base "fleece jointing" tape having elongation with 100% as well as 0% water permeable with appropriate adhesion material. Applying of 2 Coats of high flexible cementitious coating at a consumption of 2.5 kg / sq. mtr achieving minimum 01 mm at the inner side in all respect of wall and floor complete. The Product should be having highly flexible polymer modified cementitious coating with a crack bridging ability up-to 1.5 mm with a resistant of 7 water bar pressure and also having a elongation properties with 80%. Make Like MYK SCHOMBURG, Krishna Conchem Products Pvt. Ltd., POLYGEL	Sqm.	655.00
2	For exposed area of walls(U.V. STABLE TOP COAT) Protection of exposed waterproofing membrance with 2K-PU top coat , high solids, pigmented, UV stable for roofing systems and smooth surfaces. Providing and applying of Masterseal TC269 which is a pigmented , low viscosity , two component polyurethane topcoat. It cures to a elastic tough , hard wearing , glossing finish used over as top coat on Masterseal M800 water proofing system, coverage appx0.15-.20 kg/sqm. (characteristics : Elongation at break (after 14 days) DIN53504 - 165 : Tensile strength (after 14 days) DIN53504 - 12 : Tear resistance (after 14days) DIN 53515 -70 manufactured by BASF India Ltd or equivelent product from Fosroc chemicals India Pvt.Ltd MYK Schomborg or Ardex endura India Pvt.Ltd)	Sqm.	910.00
3	The cleaning and preparation of the substrate on which the waterproofing coating is applied must be carried out thoroughly by water jetting or grit blasting to leave a sound base for the application. Any laitance present on the surface must be removed mechanically. Release oil and other contaminants which may impair adhesion must be removed prior to the application. Surface moisture shall be below 4% prior to commencing application of this modified polyurethane waterproof membrane system		

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
3.1	External wall and floor Waterproofing Application Of Waterproofing Coating: Providing and applying a Liquid, cold-applied elastomeric waterproofing membrane system such as, MasterSeal HLM 5000 (manufactured by BASF India Ltd or equivalent product from Fosroc chemicals India Pvt.Ltd MYK Schomborg or Ardex endura India Pvt.Ltd)strictly to the written application guidelines of the manufacturer. The elastomeric, seamless waterproof membrane shall exhibit the following key performance properties. Applied in 2 coats to a DFT of 1.5mm thick Having an elongation capacity over 600% , Tensile Strength: 150 psi (1.0 MPa), ASTM D412. with solid content more than 85% applied on the RCC surface, As per specification. And complying to ASTM C 836 Coverage – 2.5 Kg / Sqmt	Sqm.	869.00
3.2	INTERNAL WATERPROOFING (Walls and floors): Providing and applying equivalent to MasterSeal 551 of BASF from M/S Fosroc or Grace , system as follows, Surface preparation, prewetting the surface and applying elastomeric cementitious waterproof coating, in two coats, second coat to be applied on the first coat. The material shall be mixed and applied fully in accordance with the manufacturer's instructions. The product shall exhibit at least 40% elongation at ambient & 30% elongation in under water condition with tensile strength greater than 20 Kg/cm². The product shall resist 1.5 bars pressure when tested as per DIN 1048 at 2mm DFT. When applied at 2mm DFT, elastomeric coating shall be able to bridge crack up to 0.5mm width, etc complete as per manufacturer's specifications.	Sqm.	1043.00
3.3	PROTECTIVE COATING Providing and applying Masterprotect 1818 (manufactured by BASF India Ltd or equivalent product from Fosroc chemicals India Pvt.Ltd MYK Schomborg or Ardex endura India Pvt.Ltd)a non-toxic, high build epoxy coating, solvent-less, taint free potable grade, protective coating. The product shall exhibit excellent bond strength with the substrate at least exceeding 1.5 MPa, when tested as per ASTM D4541. The product shall be formulated to have high build thickness exceeding 200 microns per coat on average and shall be applied to achieve overall thickness of 400 microns in two coats. The product must be approved by reputed institute such as CFTRI for use in contact with potable water.	Sqm.	579.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
3.4	Sealing around Preinstalled pipes: Grouting and sealing around the periphery joints of pipes passing through the floor and walls in various locations by filling micro concrete in the gap between the cut outs in the slab and the pipe surface applying HYDROSWELL HDPS swellable sealant around the pipe in the centre of the cutout and applying Pre packed NON SHRINKAGE POLYMER MODIFIED MORTAR , waterborne, liquid applied seamless treatment in 2 coats, around the periphery joints of the pipes at the top etc. complete. (Approved manufacturers BASF ,Sika or Grace) (Note: pipe diameter 75mm to 150mm in 100 mm to 200mm thick wall or slab)	Each	811.00

SPECIALIZED ITEM - STONE WORK

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Stone work (machine cut edges) for wall lining etc. (veneer work) up to 10 meter height backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 sand) including pointing in white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of clamps which shall be paid for separately):Red sand stone - exposed face finedressed with rough backing.30 mm thick.	Sqm	1233.00
2	Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in Cement mortar 1:6 (1 cement : 6 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade. 7.32.1 Red sand stone	Cum	79680.00

SPECIALIZED ITEM - WOOD AND PVC WORK

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Providing & fixing clear float toughed glass or partition in required thickness frameless in appropriated sizes inclusive of edge moulding polish & making slot or hole for patch fitting/hardware etc. The glass to be assembled together with patch fitting & hardware in proper alignment with all labour tools & tackles etc. Complete (patch fitting & hardware to be paid for separately).		
	a. 12mm thick for door	Sqm	1830.00
	b. 10mm thick for partition	Sqm	1584.00
	c. 6mm thick for glazing	Sqm	1030.00
2	Providing & fixing of stainless steel patch fitting & hardware of approved make in frame less toughed glass door or partition alignment with all tools tackles & labour etc. Complete.		
	a. Top patch with pivot	Each	2109.00
	b. Side Connection or L-connect Patch	Each	1856.00
	c. Bottom patch	Each	1810.00
	d. Bottom Lock patch	Each	3652.00
	e. Glass clamping Rectangular Connector	Each	1431.00
	f. Two way action floor spring heavy duty 120 /150 Kg (Hardwyn or Godreg make for size above 1070mmx2200mm)	Each	5755.00
	g. H type handle 32mm x600 mm	Each	3081.00
	h. Glass Connector / Clip wall- glass or glass -Glass	Each	781.00
3	Supplying of Hardwyn make HE-9400/28 Floor Spring Weight Capacity upto 150 KG DIMENTION - 1200mm X 2400mm	EACH	5712.00
4	Providing of Hardwyn make ZETA Door Closer	EACH	1562.00
5	Providing of Hardwyn make HE-10 Patch Fitting Bottom Patch WITH SSS 304 COVER OF 1.5mm THICK	EACH	1339.00
6	Providing of Hardwyn make HE-20 Patch Fitting Top Patch WITH SSS 304 COVER OF 1.5mm THICK	EACH	1339.00
7	Providing of Hardwyn make HE-40 Over Pannel Side Pannel Connecting Patch with SSS 304 COVER OF 1.5mm THICK	EACH	1696.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
8	Providing of <u>Hardwyn make HE-50 Angle Lock Corner Patch</u> Lock with Strike Plate with <u>SSS 304 COVER OF 1.5mm THICK</u>	EACH	2410.00
9	Providing of <u>Hardwyn make HE-SSPF-502 UPPER WALL PIVOT</u> Stainless Steel PIVOT Top PIVOT with 10 mm Diameter pin	EACH	290.00
10	Providing of <u>Hardwyn make HPH-141 "H" SHAPE</u> 32 X 450 H to H - 300 LENGTH - 450	EACH	1491.00
11	Providing of <u>Hardwyn make HML-405 Single Pin Lock Body</u>	EACH	420.00
12	Providing of <u>Hardwyn make HCL-301</u> KEY & KNOB 60mm BRASS	EACH	581.00
13	Providing of <u>Hardwyn make SIFAT / GOLDCAST 10" Cy Door Handle</u>	EACH	2383.00
14	Providing of <u>Hardwyn make HCL-302</u> COIN & KNOB 60mm BRASS	EACH	513.00
15	AUDITORIUM CHAIR STRUCTURE - Frame :Back Rest frame of ERW Tube / IS :3074-2005 GRADE 1-16 dia Round Pipe 1.2mm Thickness & Extra Reinforcement 16 dia round pipe 1.2 mm, Cushion Frame (Seat) ERW Tube / IS :3074-2005 GRADE1- 19 dia Round Pipe 1.2mm Thickness. Side Vertical member composition- Wing frame Rectangular Frame, with Side wing frame in plywood with Fabric upholstery. Leg: sq TUBE IS: 4923-1997- 25X25 mm, 1.63 Thickness. SEAT DIAMENSION in mm: WIDTH 480 X DEPTH 435 X THICKNESS 60- 80MM. BACK DIAMENSION in mm: WIDTH 475 X HEIGHT 750 X THICKNESS 25-45MM. SPRINGS - Seat : For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 1981 GRADE 3 (part i) Tested for 5,00,000 cycles. Push back mechanism – Coil Spring / Spring Steel IS: 4454 1981 GRADE 2 Tested for 1, 00,000 Cycles. FOAM COMPOSITION: Automotive Grade High Resilience-HR Polyurethane foam, Density: 50 + 5 Kg/M3 / JIS K 6401, Constant Compression set: (Max. 13%) JIS K 6401. BACK AND CUSHION HOUSING: PPCP IS: 10915 1994. / Injection Molded/Thermoform Plastic. FINISH OF METAL: All Fasteners are zinc passivated. All exposed & visible parts shall be powder coated. BACKHEIGHT FROM FINISH FLOOR LEVEL: 1030 +/-15mm. Effective seat depth of Seat Cushions Dimensions are in-line with Anthropometric Data's & ergonomically profiled Contours. TYPE OF BACKREST: PUSHBACK CHAIRS: Slider – 60mm travels with metal ball and roller cage which results in PUSH BACK OF 140 + 10mm. having flexibility to restrict movement of the pushback and slider as per availability of aisle space. ARMREST: Polyurethane waterfall edge design armrest. (Option with Cup holder if required), ARMREST CENTER TO CENTER DISTANCE with options 21/22 Inch (recommended) /23/24 Inch width. FABRIC: heavy duty 100 % polyester dyed yarn with 3mm + .5mm foam backing resultant. With Content: 100% Polyester, Weight: Abrasion: 80,000, Flammability: BS EN 1021-1 1994 (Cigarette), BS 7176:1995 (Low Hazard), Color Fastness to Light: 5+ [BS 1006 (1990)], Rubbing; Dry: Class 5, et: Class 4.5.	No.	10365.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
16	CONFERENCE HALL CHAIR Providing & fixing of approved make executive chairs with tilting mechanism which allows fluid lateral movement, upright lock facility having width 75cms, depth 75cms, overall height of 80.5 to 92.5 cms & seat height of 40.0 to 56.5 cms & having revolving stainless steel base & fibre castors for movement including the fabric, etc complete to satisfaction of EIC.	EACH	10367.00
17	CONVENTIONAL HALL CHAIR Providing & fixing of approved make executive low back chairs with tilting mechanism which allows fluid lateral movement, upright lock facility having width 75cms, depth 75cms, overall height of 80.5 to 92.5 cms & seat height of 40.0 to 56.5 cms & having revolving stainless steel base & fibre castors for movement including the fabric, of Godrej / Wipro / featherlite	No.	11737.00
18	CONFERENCE TABLE 18 mm thick BWP per I.S 710:2010 Marin grade ply table top of shape and size with 1mm thick premimun grade laminate of green ,centuiry and formica conforming to IS.2046:1996 and I.S. 3513:1966 on top with necessary adhesive, teak wood beading and vertical support 900mm C/C (as per drawing). Table to have cable management : cable spines below the table top for vertical travel of cable or through legs as per details in such manner that no wire shall be visible individual race way arrangement through power beam under table for data and power cable. Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Rm.	15858.00
19	CONVENTIONAL HALL TABLE 18 mm thick BWP as per I.S. 710:2010 marin grade ply table top of shape and size with 1mm thick premimun grade laminate of green ,centuiry and formica conforming to IS.2046:1996 and I.S. 3513:1966 laminate on all sides top & bottom with necessary adhesive, teak wood beading (as per drawing). Table to have cable management : cable spines below the table top for vertical travel of cable or through legs as per details in such manner that no wire shall be visible individual race way arrangement through power beam under table for data and power cable. Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Rm	16085.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
20	STAGE CURTAIN Manufacture, providing and commissioning of front main curtain and control mechanism as per following materials of size 17.00 mt x 7.00 mt .1)The main curtain fabric should be more than 300 gsm and more than 25000 to 30000 Rub count 100% polyester in width of 1.40 mts. fabric should stitched with 100 to 120 mm frill all width of fabric to stitch with each other in half width of opening and properly attached with the track assembly.2)Providing and commissioning to track channel of special section 32x22x1.5 mm buffed polished anodized or powder coated track around with heavy duty drive belt geared in 12 to 10mm wide attached with pulley drive and master slider and with track is fixed S.S. bracket to hold the track at top of curtain (track length is 7.8mts).3)The above curtain is to controlled by special electronic type motor imported make of Selve (Germany) of equivalent make of torque rated load 2.00 Nm of 80 watt power for carrying the load of fabric up to 80 kg operated with tough drive in radio automotive motor 2 Nos. for operating the curtain two opposite direction. One no. backup motor also to be paired with this system. The motor is to be controlled by R.T.S. Remote control and backups with wireless transmission switches. (Total operation to be done as per drawing design and direction of Engineer-in-charge)	Each	565650.00
21	FABRIC OVER STAGE WINGS Providing & fixing of good quality fabrics jute type mini bag @ 250gm./sqm. with proper pasting & stitching on plywood surface on both sides, the Satisfaction of EOC, as per instruction.	Sqm.	495.00
22	CASTORS BELOW STAGE WINGS Providing & fixing of good quality castors swivel mounted with 6 wheels (zipco or equivalent) for movement of stage wings to satisfaction of EIC.	No.	865.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
23	Providing and fixing of Tensile membrane. Membrane used be Type 3 grade of PVC polyester fabric coated with PVDF at both sides having weight of 1000 grams/sqm or more of Ferrari, Mehler, Hiraoka, Sieon or equivalent make over the erected steel structure. Fabrication of Fabric Panel The marking, cutting, aligning, checking, welding seams and additions as well as general handling and soiling prevention procedures to produce a smooth uniform surface with even curved edges free from irregularities and interfaces lacking wrinkling, cuts. abrasions, stains of marks, surface imperfections or welding aberrations. The fabric shall be cut along marked lines to an accuracy of +1mm and -1mm. The fabric membrane shall be fabricated in a sizable, chean, properly equipped and systematically established factory shop condition specialized in the fabrication of tension membrane. All membrane shall be patterned using finite analysis computer modeling. The membrane shall be cut using the latest CAD/CAM manufacturing technology with a tolerance of -1mm, +1mm. Manufacture of membrane to be undertaken in a purpose built membrane production facility with Quality Assured Accreditation. Fabric Joints PVC joints shall be formed using ONLY high frequency equipment to a tolerance of +1mm, -1mm. The fabricator shall carefully plan his assembly to ensure that seams are always single laid and that a cut edge does not face uphill. Joints shall be symmetrical as specified by the cutting pattern. No short pieces or salvage will be permitted. All fabricated joints shall have a minimum of 90% of the total strength of the coated fabric in strip tensile testing. All structural joints shall be fused in accordance with industry standards and shall maintain the integrity of the coating. Hole Punching At positions where bolt or other penetrations of the fabric is shown or required, holes shall be punched using a sharp neat uniform edges with 1mm oversized punch. Rope edges Rope edges shall be formed using VPDM 90 hardness polypropylene or approved polyester rope of minimum diameter 12 mm. The fabric shall be stressed uniformly to avoid local over stresses. There shall be no wrinkles in the completed membrane. Surface area to be Measured.	Sqm	3329.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
24	STRUCTURE - Frame :Back Rest frame of ERW Tube / IS :3074-2005 GRADE 1-16 dia Round Pipe 1.2mm Thickness & Extra Reinforcement 16 dia round pipe 1.2 mm, Cushion Frame (Seat) ERW Tube / IS :3074-2005 GRADE1- 19 dia Round Pipe 1.2mm Thickness. Side Vertical member composition- Wing frame Rectangular Frame, with Side wing frame in plywood with Fabric upholstery. Leg: sq TUBE IS: 4923-1997- 25X25 mm, 1.63 Thickness. SEAT DIMENSION in mm: WIDTH 480 X DEPTH 435 X THICKNESS 60- 80MM. BACK DIMENSION in mm: WIDTH 475 X HEIGHT 750 X THICKNESS 25-45MM. SPRINGS - Seat : For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 1981 GRADE 3 (part i) Tested for 5,00,000 cycles. . FOAM COMPOSITION: Automotive Grade High Resilience-HR Polyurethane foam, Density: 50 + 5 Kg/M3 / JIS K 6401, Constant Compression set: (Max. 13%) JIS K 6401. BACK AND CUSHION HOUSING: PPCP IS: 10915 1994. / Injection Molded/Thermoform Plastic. FINISH OF METAL: All Fasteners are zinc passivated. All exposed & visible parts shall be powder coated. BACKHEIGHT FROM FINISH FLOOR LEVEL: 1030 +/-15mm. Effective seat depth of Seat Cushions Dimensions are in-line with Anthropometric Data's & ergonomically profiled Contours. TYPE OF BACKREST: FIXBACK CHAIRS: ARMREST: Polyurethane waterfall edge design armrest. (Option with Cup holder if required), ARMREST CENTER TO CENTER DISTANCE with options 21/22 Inch (recommended) /23/24 Inch width. FABRIC: heavy duty 100 % polyester dyed yarn with 3mm + .5mm foam backing resultant. With Content: 100% Polyester, Weight: Abrasion: 80,000, Flammability: BS EN 1021-1 1994 (Cigarette), BS 7176:1995 (Low Hazard), Color Fastness to Light: 5+ [BS 1006 (1990)], Rubbing; Dry: Class 5, et: Class 4.5.	Each	7178.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
25	Manufacture, providing and commissioning of front main curtain and control mechanism as per following materials of size 9.00 mt x 6.00 mt .1)The main curtain fabric should be more than 300 gsm and more than 25000 to 30000 Rub count 100% polyster in width of 1.40 mts. fabric should stitched with 100 to 120 mm frill all width of fabric to stitch with each other in half width of opening and properly attached with the track assembly.2)Providing and commisioning to track channel of special section 32x22x1.5 mm buffed polised anodized or powder coated track around with heavy duty drive belt geared in 12 to 10mm wide attached with pully drive and master slider and with track is fixed S.S. bracket to hold the track at top of curtain (track length is 7.8mts).3)The above curtain is to controlled by special electronic type motor imported make of Selve (Germany) of equivalent make of torque rated load 2.00 Nm of 80 watt power for carrying the load of fabric up to 80 kg operated with tough drive in radio automotive motor 2 Nos. for operating the curtain two opposite direction. One no. backup motor also to be paired with this system. The motor is to be controlled by R.T.S. Remote control and backups with wireless transmission switches. (Total operation to be done as per drawing design and direction of Engineer-in-charge)	1 Job	285648.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
26	Providing and Fixing Modern day Record Keeping Storage Unit Space Optimizer for Record rooms : Construction: Rigid Knock Down construction made out of 0.8 thk. CRCA Steel conforming to IS: 513 Gr.D. Each body block (SS/SL/TM) building consists of 1 Main unit & then Add-on units Each unit has 5 loading levels formed by 4 nos. adjustable shelves. Body units are bolted to undercarriage.. Also, each body is bolted back to back for Twin mobile & side to side for multiple bays. Finish: The bodies including shelves are given antirust surface treatment & are powder coated with epoxy polyester powder. It involves an 8 step treatment consisting of Hot water rinse, Knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. Optimizer must be Green Gaurd Certified for verifying Low chemical Emmision following Govt. initiative to reduce carbon foot print. The material is then oven baked with a controlled temperature of 180 deg.C to 200 deg.C. Shelf: (a) Construction: 4 adjustable Shelves making 6 loading levels. It is made of 0.8 thk CRCA steel conforming to IS:513 Gr.D or DD. It's max load bearing capacity is 80 Kg uniformly distributed per shelf but depending on configuration it changes. Please refer to the chart mentioned below giving breakup of allowable UDL per Shelf as per different configurations. Shelves are mounted on support brackets & shelf level can be adjusted at approx. 25.4 pitch. (b) Size: Shelf Depth: 415 mm Box file size is 275 mm Wide X 345 mm High X 90 mm Thick can be accommodated in 457mm deep units. Undercarriage: (a) Construction: The Undercarriage is a welded frame made of HR sheet 3.15 mm thk conforming to IS:10748 suitably fabricated to take the loads based on configuration. (a) Centralized Locking: A Centralized locking arrangement is provided through Locking Stiffener mounted onto back of Single Last unit so that it gets locked on channels when all the units are brought together. The handle lock is of Godrej make & placed at suitable height. This arrangement occupies a space of 100 mm. Each Drive type units have Locking Knob near the Drive wheel for manual locking of individual units when a person is using those units. Knob shall be pressed inside when units are to be moved. After the unit is moved, before entering into aisle for accessing, this knob shall be pulled out while engaging into one of the holes provided on the disc inside. If the knob does not come out, move the unit slightly so as to bring the hole in line with locking knob for engagement. End stoppers are provided at the end of channels to prevent derailment.		

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
	SS 1	Nos	19819.00
	SL 1	Nos	22275.00
	TM 1	Nos	34068.00
	Channel 6'	Nos	8292.00
27	Providing and Fixing if required Glass top Premium Discussion and Meeting Table:		
	Discussion Table with Wire Manager (2700W* 1500D * 750H)	Nos	34022.00
28	Providing & Fixing of Non Revolving Executive Chair, Over all Height , 820 mm width 570 mm, Depth 560MM Seat Height 470 MM Polyurethane foam on seat & back with leatherite upholstery & ABS back & under cover Polyurethane ARM Rest of 60 MM thick. Base frame 25MM thick CRC pipe of 14 Gauge Powder coated after 11 tank chemical treatment frame to be grouted on floor with 4" fastners. (As fixed at pavailioan of International Cricket Stadium Parasada, Raipur) with Frame including all fitting material Labour & Taxes complete.	Nos.	3613.00
29	Providing and fixing cushion synthetic 9 layer (ACRYLIC U.V. Resuting) surface consisting of one layer of resurface two layer of cushion and layer of colour and count marking. The job to be carried out as per internation sandard of tennic court. (The colour synthetic coating to be got approved before laying).	Sqm.	1227.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
30	PROVIDING AND FIXING/PLACING IN POSITION AUDITORIUM CHAIRS; The Seat Rest assembly is 1.2±0.1cm Thick flat plywood and in situ moulded with polyurethane foam & upholstered with 3 layered foam laminated fabric and injection moulded cover. The seat is auto tip-up type and folds when not in use. The seat profile shall be developed to help the users to get necessary comfort in popliteal region. SEAT Size: 45.0cm (W) x 48.5cm (D) x 14.5cm (T) approx. Backrest assembly shall be made of 1.2±0.1cm Thick flat plywood and upholstered with 3 layered foam laminated fabric and injection moulded back cover. The back foam shall be designed with contoured lumber support for extra comfort. Back Size: 47.5cm (W) x 80.0 cm(H) x 12.5cm (T) Approx. The High Resilience Polyurethane foam for seat and back shall be moulded with density 48±2kgs/m³. The leg frame assy shall be fabricated with M.S. tube 6.0±0.03cm x 4.0±0.03cm x 0.2±0.016cm thick welded with grouting member. IT shall be black powder coated (DFT 40-60microns) & grouted to the floor using anchors. The Armrest shall be made of black integral skin polyurethane with 65±10 Shore A hardness and reinforced with M.S. Insert fixed with leg frame Armrest shall be scratch and weather resistance. cupholder on armrest etc shall be complete. All steel components shall be powder coated. 640X675X1070 MM with seat height 430mm ,overall height 1070 mm and height of desklet in use from ground is 616 mm, depth of folded and in use are 838,738 mm respectively and width of desklet foldedand in use are 673 mm and 693 mm respectively, (Location: Main Auditorium.) Refer Drawing No.TD-17.	NOS	18172.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
31	PROVIDING AND FIXING/PLACING IN POSITION AUDITORIUM CHAIRS WITH WRITTING PAD :- Seat Shall be made of Polyurethane Foam Moulded with 1.5+0.1cm thick plywood insert and upholstered with fabric. Approx Seat Size: Depth 42.0cm x Width @ rear 44.0cm x Width @front 41.0cm. The Back assembly shall be flexible type and made of polyurethane Foam moulded with M.S. tubular frame insert and upholstered with fabric and back cover. The insert is made of $\varnothing 1.9+0.02\text{cm}$ x $\varnothing 0.16+0.128\text{cm}$. M.S. thick Tubular Frame with flexible nylon straps running across the length and width of the frame. Approx Back Size: Height 65.5cm x Width @ top 34.5cm x Width @ seat level 46.0cm. High Resilience Polyurethane foam is moulded with density 45+2 kg/cu.m. The back cover and mechanism cover shall be vacuum formed from black ABS Sheets. Armrest understructure shall be upholstered with PU foam Moulded with MS insert. Arm tops shall be made of black integral skin polyurethane with 50-70 Shore A harness & reinforced with wooden insert. Armrest width 7.0+0.5cm and shall be offered as common/individual armrest between chairs. Chair Understructure shall be made of MS powder coated (DFT 40-60 microns) with integrated auto tip up mechanism which folds the seat when not in use. Base plat shall be made of HR steel with base area of 15.0+0.2cm. x 22.0+0.2cm x 0.5+0.05cm thick. Backrest supporting beam width: 46.0 + 0.2cm (L) x 8.0+0.03cm x 4.0+0.03cm x 0.2+0.0016cm MS tube. Understructure fixed to ground with mechanical/Chemical Bolting. Provision of writing pad concealed within the arm.(Location: Main Auditorium, 100 Seater Auditorium, 54 Seater Auditorium.) Refer Drawing No. TD-20.	NOS	11666.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
32	PROVIDING AND FIXING/PLACING IN POSITION AUDITORIUM CHAIRS WITHOUT DESKLET:- Seat Shall be made of Polyurethane Foam Moulded with 1.5+0.1cm thick plywood insert and upholstered with fabric. Approx Seat Size: Depth 42.0cm x Width @ rear 44.0cm x Width @front 41.0cm. The Back assembly shall be flexible type and made of polyurethane Foam moulded with M.S. tubular frame insert and upholstered with fabric and back cover. The insert is made of $\varnothing 1.9+0.02\text{cm}$ x $\varnothing 0.16+0.128\text{cm}$. M.S. thick Tubular Frame with flexible nylon straps running across the length and width of the frame. Approx Back Size: Height 65.5cm x Width @ top 34.5cm x Width @ seat level 46.0cm. High Resilience Polyurethane foam is moulded with density 45+2 kg/cu.m. The back cover and mechanism cover shall be vacuum formed from black ABS Sheets. Armrest understructure shall be upholstered with PU foam Moulded with MS insert. Arm tops shall be made of black integral skin polyurethane with 50-70 Shore A harness & reinforced with wooden insert. Armrest width 7.0+0.5cm and shall be offered as common/individual armrest between chairs. Chair Understructure shall be made of MS powder coated (DFT 40-60 microns) with integrated auto tip up mechanism which folds the seat when not in use. Base plat shall be made of HR steel with base area of 15.0+0.2cm. x 22.0+0.2cm x 0.5+0.05cm thick. Backrest supporting beam width: 46.0 + 0.2cm (L) x 8.0+0.03cm x 4.0+0.03cm x 0.2+0.0016cm MS tube. Understructure fixed to ground with mechanical/Chemical Bolting.(Location: Main Auditorium, 100 Seater Auditorium, 54 Seater Auditorium.) Refer Drawing No. TD-20.	NOS	9515.00
33	PROVIDING AND FIXING/PLACING IN POSITION AUDITORIUM CHAIRS WITHOUT DESKLET:- The Seat and Back are made up of 1.2+0.1 cm thick hot pressed plywood and upholstered with fabric and moulded polyurethane foam. the back shall be flexible type. back size: 47.0 cm (W)x 51.0 cm (H). Width 57.0cm, Depth 57.0cm, Hieght 86.0cm and Seat Height 44.0cm.The High resilience polyurethane foam is moulded with density 45+2 kg/cub m. and hardness load of 16+2 kgf as per IS 7888 for 25% compression. The one piece Armrest are made of black integral skin polyurethane foam with 50-70 Shore Hardness and reinsert with M.S. Insert. Armrest shall be scratch and weather resistance. the permanent contact mechanism shall be designed with 14+2 degree back tilt only and tilt tension adjustment. The understructure shall be made of Dia 2.54+0.03cm x 0.2+0.016cm thick MSERW tube with connecting strips made of 0.5+0.005cm thik HR stell welded to it for holding the seat. The assembly is Powder coated (DFT 40-60 microns). .(Location: Main Auditorium, 100 Seater Auditorium, 54 Seater Auditorium.) Refer Drawing No. TD-20.	NOS	7677.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
34	Providing and placing/fixing curvilinear Desk and Seat UNITS. Legs shall be made of MS ERW tube section (IS7138) of size 75x 25x 2cm. thick oval tube with 5mm thick HR brackets as per IS:2062 and 2mm Thick CRCA brackets as per IS-513 welded on to the tubes. Assembly is powder coated with epoxy powder. Leg height can vary as per layout. Sturdy anchoring to be done on to the base of 8mm thick plate for proper resting of leg. Shoe of ultramid nylon are to be provided at the bottom for covering the base plate. Two side clad made of 18mm thick plate with 0.8mm thick PVC lipping and on the outside covered with welded metal structure made of 2mm thick CRCA as per IS-513 powder epoxy coated. Worktop shall be made of 25mm thick Pre-Laminated Board of E1-P2 Grade. All the edge band glued with hot melt glue. Seat shall have self closing mechanism. Seat understructure shall be made from combination of welded fabricated structure of 5mm thick HR and 8mm thick ply with moulded PU foam density 55kg/cu.m. on top which is covered with stitched upholstery made of leatherite or foam fabric. Seat Assembly is covered on bottom side by means of seat cover made of PP. Seat Back shall be made from combination of MS ERW tube section of Size 48x19.1x2 mm thick oval tube welded together. Assembly shall be powder coated and CAP made of ultramid are to be provided for covering the front of oval tube. Modesty shall be made of 25mm thick pre laminated twin board of E1-P2 Grade and all edge of the modesty shall be provided with machine pressed 2mm thick PVC edge band glue with hot melt glue. complete as per directions of Engineer/Architect. Payment will be made as per number of seating units. (Location: 54 Seater Auditorium, 100 Seater Auditorium.) Refer Drawing No.TD-02	NOS	27077.00
35	Providing & fixing Middle Row Overall Size :- W500mm, D405mm, H750mm, Tablet size :- W430mm, D300mm, 12mm thick, Front mold size: Height 467mm, Width 478mm, 12mm thick, :- Mounted on 64mmx64mmx3mm aluminum glide fitted with MS cold rolled close annealed leg made of 60mmx60mmx2mm MS tube and MS sheet 3mm thick covered with nylon cap. Middle row of foldable seat & back with 15mm thick PU Foam on plywood and fulley covered with upholstery cloth. Tipup foldway writing table with antipanic movement. Made up of 12mm thick postformed on particle board. Overall appearance of the product as shown in photograph. All steel components are powder coated while aluminum glides are anodized. with Cushion.	NOS	10136.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
36	DRESSING CHAIR Providing & Fixing Premium Lab stool Over all Size :- Height : 1050mm, Depth: 300mm, Width: 450mm	NOS	3570.00
37	CABIN CHAIR Providing and placing in position chair with very high back of seat and back made up of 1.2±.1 cm thick hot pressed plywood measured as per QA method described in OCP -QLTA-P14 -18 and upholstered with fabric upholstery covers and moulded polyurethane foam. The back foam is designed with contoured lunber support for extra comfort. the seat has extra thick foam on front edge to give comfort to popliteal area, with dimension of 47.5 cm W X 69.5 cm H. The HR polyurethane foam is moulded with density = 45±2 kg /m3 and hardness load 16± 2 kg f as per IS :7888 for 25% compression. The one piece armrest are injection moulded from black co polymer polypropylene. Center tilt mechanism is designed with the various features such as 360 degree revolving type , upright position locking , tilt tension adjustment , seat / back tilting ratio of 1:3. The powder coated tubular frame is cantilever type and made of $\varnothing 2.54 \pm .016$ cm thk. M.S ERW TUBE. Pneumatic height adjustment has an adjustment stroke of 12.0±.3 cm.the 3 piece telescopic type and injection moulded in black polypropylene. The padestal is injection moulded in black 33% glass filled Nylon -66 and fitted with 5 no's twin wheel castors. The padestal is 66.3 ±0.5 cm pitch center dia (76.3±1.0 cm with castors. Twin wheel castors are injected moulded in black Nylon. (Location: Cabin.) Refer Drawing No.TD-18.	NOS	10357.00
38	Providing and placing in position executive mid back chair with seat and back are made of 1.2 cm thick hot pressed plywood, upholstered with changeable fabric upholstery covers (as per requirement) and moulded polyurethane foam of density 45 +/- 2 Kg/m3, together with moulded black copolymer polypropylene with 0.3 cm thickness seat and back covers. Back Size : 39.0 cm W x 28.0 cm H, Seat Size 45.0 cm W x 42.0 cm D. One piece armrest has to be made of black integral skin polyurethane with approx size of armrest is 21.0 cm L x 6.4 cm W x 3.3 cm T. Chair should have a full 360o revolving mechanism with 17 deg. Maximum tilt only and Tilt tension adjustment facility. Chair should have five prong pedestal with twin castors and pneumatic height adjustment. Overall size: W-64 x D-64 x H – 81 to 93.5 Cms. Powder Coating: Dry film thickness more than 45 microns Salt Spray test to withstand more than 1000 hours Pencil scratch hardness more than 2H Adhesion as per DIN 53152 Standards etc complete in all aspects as per drawing and as directed by Engineer/Architect. (Location: Reception, Cabin)	NOS	14946.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
39	WORK STATION CHAIRS PROVIDING CHAIR-Supplying revolving Mid back Chair having seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam. The back foam is designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area. The polyurethane foam is moulded with density = 45 +/- 2 kg/m³ and Hardness = 20 +/- 2 . The one-piece armrests are injection moulded from black Co-polymer Polypropylene. The mechanism is designed with features of 360° revolving type, Upright position locking, Tilt tension adjustment with seat/back tilting ratio of 1:3 (6 degree seat tilt & 18 degree back tilt). The pneumatic height adjustment has an adjustment stroke of 12.0 cm. The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. The pedestal is injection moulded in black 33% glass filled Nylon-66 & fitted with 5 nos twin wheel castors. The pedestal is 66.3cm, pitch centre dia (76.3 cm with castors). The twin wheel castors are injection moulded in Black nylon. The Seat size is of 47cm(W) x 48cm(D) & back size of 47.5cm(W) x 58cm(H). The products should be ISO 9001:2008, ISO 14001:2004, OHSAS 1800:2007, BIFMA & Greenguard certified. (Location: Office, Control Cabin.) Refer Drawing No. TD-23.	NOS	8281.00
40	PROVIDING CHAIR-Supplying revolving Mid back Chair having seat and Size: Total Height: 830-930mm, Depth: 600mm, Width: 550mm Seat Height: 450-550mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Sturdy steel column gas lift for center support and seat height adjustment. Telescopic ABS cover over steel column. Lockable center tilt Single piece rest around 6475 23 Nos 148925 WORKSTATION CHAIRS mechanism and with integral skin PU arm rest. Quality tapestry with PVC beading all around. High density Molded PU cushion. Over all appearance of product as shown in picture. Upholstery 1.5 Mtr (Location: Office, Control Cabin.) Refer Drawing No. TD-23.	NOS	5504.00
41	CHAIR-CAFETERIA Providing and placing in position chair with Seat and Back shell is made of 1.2±0.1cm. Thick hot pressed plywood measured as per QA methods described in OCP-QLTA-P14-18 and laminated with natural veneer. In three different shades of Teak and Mahogany. Back size: 42.0cm (W) x 45.0cm (H). Seat Size: 44.0cm W x 40.0cm. D. Tubular Understructure: The Understructure is made of M.S. tube ϕ 1.9±0.02cm. x 0.16±0.0128cm thick and black powder coated (DFT 50-60microns). (Location: Cafeteria.)	NOS	3700.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
42	CONFERENCE HALL CHAIR Seat is made up of 1.2+0.1cm. thick hot pressed plywood upholstered with fabric or synthetic leather and moulded polyurethane foam. The back is made up of 1.2+0.1cm. thick hot pressed plywood measured as per QA method described in OCP-QLTA-P14-18 and upholstered with replicable fabric or synthetic leather upholstery covers and moulded polyurethane foam. the back ply and foam is designed with countered lumber support for comfortable seating posture. Seat Size: 51.0cm x 48.0cm. Back Size: 48.0cm x 76.0cm. High Resilience (HR) Polyurethane Foam: The HR Polyurethane foam is moulded with density 45+2 kg/m³ and hardness load 16+2 kgf as per IS: 7888 for 25% compression. Adjustable armrest top is made of moulded polyurethane (P.U.) and mounted on to a drop lift height adjustable type M.S. tubular armrest support chrome plated. The armrest height is adjustable up to 6.5+0.5cm. in 5 step & also has swivel adjustment of 22+2 degree on both sides. Kee tilt synchro mechanism with seat depth adjustment mechanism which is designed with the following features. 360 degree revolving type, single point control, front pivot tilt with feet resting on the ground ensuring more comfort, tilt tension adjustment, 4-position locking with anti-shock feature, Seat back tilting ratio of 1:2, and seat depth adjustment of 6.0+0.5cm which can be locked in 6 positions. adjustable backrest consists of a sliding up down mechanism, which can be adjusted in the range of 7.5+0.5cm and can be locked in 4 position of lumber support. Pneumatic height adjustment has an adjustment of 9.0+0.3cm. pedestal assembly is fabricated from 0.2+0.02cm. thick HR sheet (IS:DD1079/HE skin pass), Chrome plated and assembled with injection moulded black polypropylene hub cap and 5 nos. twin wheel castors. The pedestal is 66.0+0.5cm pitch-center dia. Twin wheel castors are injection moulded in black nylon.	Nos	15671.00
43	PROVIDING AND FIXING MEETING TABLE--CLOSED INTERACTION MODULE -Work Surface-Top thickness 31.6 (18mm + 12mm + 0.6 mm DL(both sides) + 0.4mm Membrane) Edge profile Waterfall Edge 10mm radius on top edge and 5mm at bottom. Legs And Modesty Panel-Made from 25mm PPB having a straight profile with half round edges and clad with 0.6mm thick Post Forming laminate. Overall thickness of leg is 26.2mm. Made from PLT (Prelaminated Twin) boards of 18mm thick. Wire Carrier and Carrier Cover- Made from 0.6mm thick CRCA painted. Made of 12mm thk. MDF Painted all over etc complete in all aspects as per drawing and as directed by. Engineer Incharge.	Seat	10238.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
44	3 SEATER SOFA -WAITING Dimension: 2185 L x 820 x 650 mm ,Arm Height 210mm, Back Height from Armrest: 250mm, Arm Width : 135mm, Length between Legs: 1830mm. Total Width: 810mm, Seating Area Width : 565mm, Seating Area Height: 340mm, Area Length: 470mm, Back Width: 190, Leg Height : 95mm Crome, width between legs: 625mm. Type of Thread Used: Polyester, 6stiches per inch.(PU/PVC/Cotton/ Polyester/ Composite): Thickness : 1mm, Weight 575GSM. FRAME MATERIAL (PINE WOOD): Moisture content less then 10%, Anti – Tremite Treatment (Borex Powder Treatment). Thickness of Plywood used(mm) :12mm & 18mm. Standard : IS 303 Commercial Plywood used. SEAT FOAM: Thickness (mm) : 103 mm + 22 mm, Density (Kg/m3): 32 density/28 density soft. Type of foam: Slabstock foam. Back Foam: Mixing of PSF & cut piece of foam. ARMREST FOAM: (DENSITY, TYPE): Thickness (mm) : 24 mm, Density (Kg/m3): 40 density. BELT/ WEBBING MATERIAL:: Width of belt (mm) :68mm - 48mm, Total length of belt used (mm): 68mm :- 3500 mm ; 48mm :- 1850mm.* Fixing of Leg : (Self Tapping Screw / Insert with metric threading) :- Woodscrew provided on frame in addition to M-8 / T-Nut. * Material of leg : (Plastic / Insert Moulding / Wooden/ MS / SS) :- leg 95 mm. (Location: Reception Waiting Area, Ladies Green Room, Gents Green Room.) Refer Drawing No.TD-24.	NOS	33713.00
45	1 SEATER SOFA-WAITING Dimension: 600L x 600 x650 H , Arm Height 210mm, Back Height from Armrest: 250mm, Arm Width : 135mm,Type of Thread Used: Polyester, 6stiches per inch. (PU/PVC/Cotton/ Polyester/ Composite): Thickness : 1mm, Weight 575GSM. FRAME MATERIAL (PINE WOOD): Moisture content less then 10%, Anti – Tremite Treatment (Borex Powder Treatment). Thickness of Plywood used(mm) :12mm & 18mm. Standard : IS 303 Commercial Plywood used. SEAT FOAM: Thickness (mm) : 103 mm + 22 mm, Density (Kg/m3): 32 density/28 density soft. Type of foam: Slabstock foam. Back Foam: Mixing of PSF & cut piece of foam. ARMREST FOAM: (DENSITY, TYPE): Thickness (mm) : 24 mm, Density (Kg/m3): 40 density. BELT/ WEBBING MATERIAL:: Width of belt (mm) :68mm - 48mm, Total length of belt used (mm): 68mm :- 3500 mm ; 48mm :- 1850mm.* Fixing of Leg : (Self Tapping Screw / Insert with metric threading) :- Woodscrew provided on frame in addition to M-8 / T-Nut. * Material of leg : (Plastic / Insert Moulding / Wooden/ MS / SS) :- leg 95 mm. (Location: Ladies Green Room, Gents Green Room.) Refer Drawing No.TD-21	NOS	16593.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
46	2 SEATER SOFA-WAITING Dimension: 1538L x 820 x 650 H , Arm Height 210mm, Back Height from Armrest: 250mm, Arm Width : 135mm, . Type of Thread Used: Polyester, 6stiches per inch. (PU/PVC/Cotton/ Polyester/ Composite): Thickness : 1mm, Weight 575GSM. FRAME MATERIAL (PINE WOOD): Moisture content less then 10%, Anti – Tremite Treatment (Borex Powder Treatment). Thickness of Plywood used(mm) :12mm & 18mm. Standard : IS 303 Commercial Plywood used. SEAT FOAM: Thickness (mm) : 103 mm + 22 mm, Density (Kg/m3): 32 density/28 density soft. Type of foam: Slabstock foam. Back Foam: Mixing of PSF & cut piece of foam. ARMREST FOAM: (DENSITY, TYPE): Thickness (mm) : 24 mm, Density (Kg/m3): 40 density. BELT/ WEBBING MATERIAL:: Width of belt (mm) :68mm - 48mm, Total length of belt used (mm): 68mm :- 3500 mm ; 48mm :- 1850mm. Fixing of Leg : (Self Tapping Screw / Insert with metric threading) :- Woodscrew provided on frame in addition to M-8 / T-Nut. * Material of leg : (Plastic / Insert Moulding / Wooden/ MS / SS) :- leg 95 mm. (Location: Reception.) Refer Drawing No.TD-24.	NOS	34847.00
47	3 SEATER SOFA- SEATING UNDER DOME Three seater - W x D x H - 2040 x 800 x 735mm Material: Base frame - Dymetrol stretchable fabric (100 S) - Legs made from Rubberwood (1st quality) without knots and defects on all faces- M.S pipe 25 x 50 x 1.6mm thick, 20 x 40 x 1.6mm thick and 3mm thick M.S. plate, - PU foam, - 18mm thick Particle board. · Armrest - Lining cloth cover, Insert molded P.U Foam, M.S. pipe dia.19mm x 1.6 mm thick, 20 x 40 x 1.6mm thick, Recron (200 grade-chemical-bonded) · Backrest- Lining cloth cover, insert molded P.U Foam, M.S. pipe dia.19mm x 1.6 mm thick, PU Foam, Recron(200 grade-chemical bonded) · Seat- Lining cloth cover, insert molded P.U Foam, Recron (200 grade-chemical bonded), Fabric Upholstery. 3. Construction: Knock-down 4. Legs- Dark Brown stain PU coat with hardness 4H on all faces. 5. Hardware: Nylon leg bushes and high quality standard hardware like screw, nut, bolt, washer etc. 6. Packet : Two Packets.1. Armrest(LH & RH) 2. Seat, Base frame, Backrest. Composition: Polyester 65.1% Polypropylene 34.9%, Weight of the fabric(GSM): 345(328 to 362) range, Workable width (cm): 136 cm (** width will depend on usage/optimization data and supplier should confirm with Godrej Interio before supply). Thickness (mm): 0.845(0.80 to 0.88) range. (Location: Seating Area Under Dome.)	NOS	49329.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
48	3 SEATER SOFA-VIP LOUNGE Seat made of PU foam with density 32+2 kg/cu m. Having an additional top layer of PU foam with density 28+2 kg/m³. Back foam: made of PU foam with density 28+2kg/cu. With additional top layer of supersoft foam of density 23+2kg/cu. Meter upholstered. Understructure made of 1.2+0.1cm thick hot pressed plywood. Dia 4mm ZigZag spring assembly is mounted in understructure for support. Leg assembly is welded assembly made in SS steel Grade SS 202.(Location: VIP Lounge.) Refer Drawing No.TD-24.	NOS	38541.00
49	2 SEATER SOFA-VIP LOUNGE Seat made of PU foam with density 32+2 kg/cu m. Having an additional top layer of PU foam with density 28+2 kg/m³. Back foam: made of PU foam with density 28+2kg/cu. With additional top layer of supersoft foam of density 23+2kg/cu. Meter upholstered. Understructure made of 1.2+0.1cm thick hot pressed plywood. Dia 4mm ZigZag spring assembly is mounted in understructure for support. Leg assembly is welded assembly mad in SS steel Grade SS 202. (Location: VIP Lounge.) Refer Drawing No.TD-24.	NOS	28905.00
50	1 SEATER SOFA-VIP LOUNG Seat made of PU foam with density 32+2 kg/cu m. Having an additional top layer of PU foam with density 28+2 kg/m³. Back foam: made of PU foam with density 28+2kg/cu. With additional top layer of supersoft foam of density 23+2kg/cu. Meter upholstered.Understructure made of 1.2+0.1cm thick hot pressed plywood. Dia 4mm ZigZag spring assembly is mounted in understructure for support. Leg assembly is welded assembly mad in SS steel Grade SS 202. (Location: VIP Lounge.) Refer Drawing No.TD-21	NOS	19537.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
51	3 SEATER SOFA- CABIN Providing and placing in position 3 seater sofa with Total Length: 2025mmx787x 950mm(overall)Arm Height: 610mm, Back Height from Arm: 320mm, arm Width: 200mm, Length between Legs: 570mm, LEATHER/PVC/FABRIC: PU, Thickness (mm) : 1.0mm, FRAME MATERIAL: Tropical wood + pinewood, Moisture Content: 8%-10%, Anti – Tremite Treatment (Borex Powder Treatment), Thickness of Plywood used(mm) : 7.5-15, Standard of Plywood used: {Required Standard : IS 303 Commercial Plywood}, Thickness (mm) :30mm, Density (Kg/m3):40# density hard, BACK FOAM: Thickness (mm) :50mm+30mm, Density (Kg/m3):28#density medium -soft , 30# density medium-soft, ARMREST FOAM: Thickness (mm) :10mm, Density (Kg/m3):27#density hard, BELT/ WEBBING MATERIAL: Width of belt (mm) :40mm, Total length of belt used (mm):2600, SPRING DETAILS: Thickness of S-Spring (mm) :3.5mm, Number of Springs used:4, Length of S-Spring used (mm) :510, Number of Pocket springs per seat:48, Thickness of Pocket Spring (mm) :80, LEG MATERIAL: Self Tapping Screw, Material of leg : Wooden. (Location: Cabin.) Refer Drawing No.TD-24.	NOS	72837.00
52	Providing and fixing two seater sofa with Total Length: 1600x750x950xmm , Seating Area Length: 560mm, Arm Height: 610mm, Back Height from Arm: 320mm, arm Width: 200mm, Length between Legs: 570mm, LEATHER/PVC/FABRIC: PU, Thickness (mm) : 1.0mm, FRAME MATERIAL: Tropical wood + pinewood, Moisture Content: 8%-10%, Anti – Tremite Treatment (Borex Powder Treatment), Thickness of Plywood used(mm) : 7.5-15, Standard of Plywood used: {Required Standard : IS 303 Commercial Plywood}, Thickness (mm) :30mm, Density (Kg/m3):40# density hard, BACK FOAM: Thickness (mm) :50mm+30mm, Density (Kg/m3):28#density medium -soft , 30# density medium-soft, ARMREST FOAM: Thickness (mm) :10mm, Density (Kg/m3):27#density hard, BELT/ WEBBING MATERIAL: Width of belt (mm) :40mm, Total length of belt used (mm):2600, SPRING DETAILS: Thickness of S-Spring (mm) :3.5mm, Number of Springs used:4, Length of S-Spring used (mm) :510, Number of Pocket springs per seat:48, Thickness of Pocket Spring (mm) :80, LEG MATERIAL: Self Tapping Screw, Material of leg : Wooden (Location: Cabin.)	NOS	69052.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
53	CENTER TABLE Providing and fixing center table with Dimensions: 600W x 1200L x 428H & Glass of 08 mm thk tempered, Solid rubber wood legs and frame, MS sheet as bottom shelf. PU coating to the rubber wood parts, clear glass. BLACK POWDER COATING & 40-80 Microns DFT. (Location: Ladies Green Room, Gents Green Room, VIP Room, Cabin.) Refer Drawing No.TD-24.	NOS	13770.00
54	SIDE TABLE Providing and fixing center table with Dimensions: 600W x 600L x 428H & Glass of 08 mm thk tempered, Solid rubber wood legs and frame, MS sheet as bottom shelf. PU coating to the rubber wood parts, clear glass. BLACK POWDER COATING & 40-80 Microns DFT. (Location: VIP Room, Cabin.) Refer Drawing No. TD-24	NOS	12705.00
55	CENTER TABLE Providing and fixing center table with 1200mm L x 645mm Wx 450 H .TABLE LEGS METERIALS & SIZE : METAL ROUND TUBE: DIA25X1.2 Chrome Color. TABLE TOP MATERIALS & SIZE : (DENSITY / TYPE): OVAL shape top GLASS. (Location:Seating Area Under Dome.) Refer Drawing No.TD-24	NOS	8209.00
56	CENTER TABLE Providing and placing in position center table of 18 mm. Thick SOLID VENEER MDF TABLE TOP WITH dimensions (L)900 x(W)450 x(H)378 with SOLID RUBBER WOOD legs, Both in cappachino Colour. (Location: Reception Waiting Area.) Refer Drawing No.TD-24	NOS	8503.00
57	SIDE TABLE Providing and placing in position side table of SOLID VENEER MDF TABLE TOP, SOLID RUBBER WOOD Legs both in CAPPUCINO colour.(L)450 x (W)450 x (H)458. (Location: Reception Waiting Area.) Refer Drawing No.TD-24	NOS	6910.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
58	RECEPTION TABLE Reception table comprises with the following sections :- 1. Convex table :- W-1500mm, D-805mm, H-750mm, (60 Degree Convex), 2 Straight table:- W-1400mm, D-700mm, H-750mm., 3.Counter Riser:- W-1500mm, D-460mm, H-350mm, (60 Degree Convex) ., 4 Extension top :- W-1400mm, D-300mm, H-350mm. Specification : The tops of the counters shall be made of toughened glass & shall fitted on sides of the counter with good quality fittings. The front metal sheet above the top shall fitted with the glass & Sides so as to make one unit & Shall be very sturdy in constructions. Both the front panels, top and bottom, of the counters shall be made of perforated prime CR Sheet of thickness 0.7mm, The worktops shall be made of 25mm thick BSL particle board and side shall be of 18mm thick BSL particle board. The worktops RECEPTION TABLE shall have 2 cable managers on both sides. The toughened glass shall be of 8mm thickness. The overall appearance of the product shall be as per photograph complete in all aspects as per drawing and as directed by Engineer Incharge. (Location: Reception Area.) Refer Drawing No.TD-24.	NOS	39525.00
59	WORK STATIONS Providing and fixing morden day Workstations : WORKSURFACES: WORKTOP 25 MM THICK PRELAMINATED (with PVC edge band) Work top shall be made of 25mm thick prelaminated particle board interior grade (As per IS: 12823). Bottom shall have a backing laminate of minimum 0.6mm thickness. All the edges of work surface shall be provided with machine pressed 2 mm thick PVC Edge band glued with hotmelt EVA glue. 4.2 WORKTOP 25 MM THICK LAMINATED (with PVC edge band) Work top shall be made of 25mm thick Plain particle board of interior grade (As per IS: 12823) as a Substrate. The top shall be laminated with laminate of 0.6 mm thickness of approved shade as per IS: 2046-1995. Bottom shall have a backing laminate of 0.6 mm thickness. All the edges of work surface shall be provided with machine pressed 2 mm thick PVC edge band glued with hotmelt EVA glue. Underside of the worksurface shall be screwed to cross connectors and leg assembly. These worktops shall be provided with the slot for access flap, as per requirement. METAL MODESTY PANEL: This shall be made of 0.8mm thick CRMS sheet. Vertical stiffeners shall be spot welded with the metal modesty. Modesty assembly shall be coated with epoxy powder coating. PARTIAL WIDTH FRAMED SCREEN IN COMBINATION OF WHITE BOARD & FABRIC MAGNETIC IS CONSIDERED ALONG WIDTH OF WORK SURFACE.all complete as per drawing and as directed by Engineer/Architect. (Location: Office.) Refer Drawing No.TD-23	Nos	16545.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
60	MAIN DESK+SIDE UNIT providing & fixing Main unit Desk: Overall Footprint: thickness: 25mm, Overall dimension size :- 2500x900x750mm, top thickness made of 25mm thick MDF Board with complete fixture for compute table drawer & fitting etc complete as per shown in photograph. Side Table - 1000x400x634mm. (Location: Cabine.) Refer Drawing No.TD-18.	NOS	44710.00
61	Providing & fixing Overall size :- H-1200mm, W-600mm, D-450mm. Podium shall be made of 18mm thick pre laminated MDF board ISI marked. Base shall be made of 25mm thick MDF board ISI Marked. Laminate shall be used 0.6mm for postform. Open edges shall be sealed with hot glued tape 2mm thick. The overall appearance of the of the product shall be as per photograph	NOS	10625.00
62	Providing and placing in position of canteen table 1734 x 1175 x 750 with work surface having PU painted 25mm thick MDF board with PU painting of minimum 2H hardness with 75% gloss. Profiled edge. Bend pipe understructure of MS powder coated having dia 38mm, 2mm thick. Understructure to be fitted with top by SS machine screws. MS powdercoated legs with 38mm dia. Plastic Glide to prevent the damage during stacking. (Location: Cafeteria.) Refer Drawing No.TD-18.	NOS	26852.00
63	Providing and fixing console table of the Size in mm = width 1800mm X depth 900mm X height 740mm having Worksurface : 25mm thick PLB Tops with 2mm thick PVC edge Beading. Structure :- 1.6mm thick MS C- Frame supporting the top and legs of diameter 38.1 x 1.6 thick MS ERW Tube., fixtures as required and as per detailed drawing. (Location: Control Cabin.)	NOS	10982.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
64	ACCOUSTICAL DOOR Providing and fixing Acoustical Sandwiched Doors of size from First class teakwood frame of finished size 225mm x 80 mm and 66mm thick finished shutters consisting of 100x42mm teakwood style, top and lock rail 125x42 and bottom rail, 150x42mm, and intermediate 25mmx42mm Teak wood horizontal members, with 8mm thick BWP 710 grade ply on both sides and 4mm thick natural veneer (BWP grade) with grooves on one side (Green ply Century make or equivalent). 50mm thick core of Glass wool slab (24 kg density) 16g Fiber glass tissue paper sandwiched inside and 25mm thick 32 density kurlon make foam with 1 mm thick leatherite, stitched in rombus shape on inside. Heavy duty stainless steel hinges (152mmx76mmx3mm) 316 grade with bearings with Pin and cap, 300mm tower bolts ss 304 grade, 450mm heavy handle ss 316 grade, 350mm heavy duty Aldrops ss 316 grade, heavy door stoppers (zinc), rubber buffers, concealed hydraulic door closer aluminum extruded wt. up to 90 kgs, (Ozone or Yale make) as per drawing schedule of fitting and fixtures of (kich, Godrej make or equivalent). All around edge Teak wood bead 70mm x 12mm thick, including finishing the over all surface with thinner polish spray and P.U. coating etc, complete to the satisfaction of Engineer in Charge.	Sqm	18083.00
65	STAGE CURTAIN Manufacture, providing and commissioning of front main curtain and control mechanism as per following materials .1) The main curtain fabric should be more than 300 gsm and more than 25000 to 30000 Rub count 100% polyster in width of 1.40 mts. fabric should stitched with 100 to 120 mm frill all width of fabric to stitch with each other in half width of opening and properly attached with the track assembly.2) Providing and commisioning to track channel of special section 32x22x1.5 mm buffed polised anodized or powder coated track around with heavy duty drive belt geared in 12 to 10mm wide attached with pully drive and master slider and with track is fixed S.S. bracket to hold the track at top of curtain (track length is 7.8mts).3) The above curtain is to controlled by special electronic type motor imported make of Selve (Germany) of equivalent make of torque rated load 2.00 Nm of 80 watt power for carrying the load of fabric up to 80 kg operated with tough drive in radio automotive motor 2 Nos. for operating the curtain two opposite direction. One no. backup motor also to be paired with this system. The motor is to be controlled by R.T.S. Remote control and backups with wireless transmission switches. (Total operation to be done as per drawing design and direction of Engineer-in-charge)	Sqm	4753.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
66	Providing and fixing of Convention hall table made of size width 650mm and height 800mm made with with 18 mm thick BWP as per I.S.710:2010 marin grade ply (Green ply) table top front and side with 4 mm thick premimun grade veneer of green or century and formica conforming to IS.2046:1996 and I.S. 3513:1966 laminate on all sides top & bottom all hiddne portion with necessary adhesive, teak wood beading (as per drawing). Table to have cable management : cable spines below the table top for vertical travel of cable or through legs as per details in such manner that no wire shall be visible individual race way arrangement through power beam under table for data and power cable. Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Meter	12844.00
67	Providing and fixing of Podium made of size width 900mm and height 1200 mm made with with 18 mm thick BWP as per I.S.710:2010 marin grade ply (Green ply) table top front and side with 4 mm thick premimun grade veneer of green or century and formica conforming to IS.2046:1996 and I.S. 3513:1966 laminate on all sides top & bottom all hiddne portion with necessary adhesive, teak wood beading (as per drawing). Table to have cable management : cable spines below the table top for vertical travel of cable or through legs as per details in such manner that no wire shall be visible individual race way arrangement for data and power cable. Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Each	20959.00
68	Providing and fixing of DINING TABLE made of sizeLength 1800 width 900mm and height 750 mm made 1st Quality Teak wood with 18 mm thick BWP as per I.S.710:2010 marin grade ply (Green ply) table top formica conforming to IS.2046:1996 and I.S. 3513:1966 laminate on all sides top with necessary adhesive, teak wood beading (as per drawing) all wood surface polished with P.U. polish .Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Each	20045.00
69	Providing and fixing of DINING TABLE made of sizeLength 1200 width 900mm and height 750 mm made 1 Quality Teak wood with 18 mm thick BWP as per I.S.710:2010 marin grade ply (Green ply) table top formica conforming to IS.2046:1996 and I.S. 3513:1966 laminate on all sides top with necessary adhesive, teak wood beading (as per drawing) all wood surface polished with P.U. polish . Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Each	16052.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
70	Providing and fixing of DINING TABLE made of sizeLength 900 width 600mm and height 750 mm made 1 Quality Teak wood with 18 mm thick BWP as per I.S.710:2010 marin grade ply (Green ply) table top formica conforming to IS.2046:1996 and I.S. 3513:1966 laminate on all sides top with necessary adhesive, teak wood beading (as per drawing) all wood surface polished with P.U. polish . Dimensions of the table should be according to drawings and to the satisfaction of Engineer in charge.	Each	12600.00
71	Providing and fixing of DINING CHAIR made of sizeLength 450 width 450mm and height 450/900 mm made 1 Quality Teak wood with 32 density foam 75mm thick back is also foamed with 32 density 50mm foam polished with P.U. polish. all foam material to be covered with 300gsm high quality fabric as per approval. Dimensions of the chair should be according to drawings and to the satisfaction of Engineer in charge.	Each	7946.00
72	Providing and fixing Florence brand made 12mm thick high density fibre board with super click state of art locking technology, abrasion resistant, Impact resistant, Fire resistant. Highly anti abrasive protective overlay Melamine impregnated decorative film protects the floor from UV rays and fading (Dimention 1800×196×12mm). Below wooden floor 2mm thick Thermosill/Hetlon should be placed. This rate includes all material, taxes and labour charges with 3 years warranty.	Sqm	2811.00
73	Providing and fixing wooden beat for skirting 2439 mm length × 12mm thickness × 89mm height. This rate includes all material, taxes and labour charges.	Rm	328.00
74	Providing and fixing wooden beat for skirting 2439 mm length × 20mm thickness × 20mm height. This rate includes all material, taxes and labour charges.	Rm	214.00
75	Providing and fixing ISI marked 50mm flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frameof 1st class hard wood and well matched teak 3 ply veneering with verticalgrains or cross bands and face veneers on both faces of shutters.	Sqm.	5161.00
76	Extra for using 304 grade SS wiremesh in uPVC doors and windows including the cost of all required accessories complete.	Sqm.	2122.00
77	Extra for using glass fiber wire mesh in uPVC doors and windows including the cost of all required accessories complete.	Sqm.	530.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
78	Supplying and fixing dray cladding system with HPL from M/S Fundermax , Stylam Industries Ltd.(Fascia)or with Century Exterior HPL Exteria -high-quality exterior grade decorative cladding for balconies and building facades with non corrosive rivets. The material should confirm to EN 438-6 type EDF (resistance against extreme climatic conditions and UV) and rates of fixing ,includes base frame which consist of aluminium frame size 25mmX50mm , fixed in grid size 600mm c/c with necessary powder coated bolts, caps etc, complete.	Sqm.	5607.00
79	Stackable Seating for Multipurpose hall. Stackable chairs "22" outer to outer with independent arms BSN code - 9401.8000	Nos.	4696.00
80	Providing & installation of ROLLER Blinds- regular fabric Providing and fixing roller blinds (Hunterdouglas / Vista or Equivalent) of approved make as per the manufacturer's specifications with drive unit, End plug, support brackets, roller tube, bottom rail, ball chains all described below. Drive unit to be of moulded plastic with straight rectangular support pin & inserted into the tube end. It shall be driven by a ball chain pulley and can be positioned at right or left side of the shade. The shade when lowering or raising shall automatically be lockable upon release of the ball chain by means of friction lock. End plug shall be moulded to plastic locking pin. The plug shall be inserted into the tube end. Support brackets shall be of zinc plated steel & provided with moulded plastic covers & used in right or left hand positions differentiated by acceptance of the rectangular drive unit support or the round idler plug pin. Roller tube shall be made out of roll formed steel of thick. Suitably protected against corrosion, & keyway integral with the tube to accommodate the spline , Out side diameter of the roller tube shall be 25mm. Bottom rail shall be a stiffening element inserted into a bottom rod pocket. Tube to be of the material as approved out of timber, PVC, steel or VB bottom rail. Ball chain shall be 2mm diameter cord with acetyl balls moulded co-axially to it on 6mm pitch to form ball chain. Rate to include the cost of decorative trims also. Bottom rail shall be a stiffening element inserted into a bottom rod pocket. Tube to be of the material as approved out of timber, PVC, steel or VB bottom rail. Ball chain shall be 2mm diameter cord with acetyl balls moulded co-axially to it on 6mm pitch to form ball chain. Rate to include the cost of decorative trims also.	Sqm.	1407.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
81	Providing & installation of ROLLER Blinds- BLACKOUT FABRICS - Providing and fixing blackout roller blinds (Hunterdouglas / Vista or Equivalent) with drive unit, End plug, support brackets, roller tube, bottom rail, ball chains all described as described below, with blackout fabric of approved shade, colour and sample. Drive unit to be of moulded plastic with straight rectangular support pin & inserted into the tube end. It shall be driven by a ball chain pulley and can be positioned at right or left side of the shade. The shade when lowering or raising shall automatically be lockable upon release of the ball chain by means of friction lock. End plug shall be moulded to plastic locking pin. The plug shall be inserted into the tube end. Support brackets shall be of zinc plated steel & provided with moulded plastic covers & used in right or left hand positions differentiated by acceptance of the rectangular drive unit support or the round idler plug pin. etc complete as directed by Engineer-in -charge Maximum panel size will be 2 mt x 3mt. Roller tube shall be made out of roll formed steel of thick. Suitably protected against corrosion, and keyway integral with the tube to accommodate the spline , Out side diameter of the roller tube shall be 25mm. Bottom rail shall be a stiffening element inserted into a bottom rod pocket. Tube to be of the material as approved out of timber, PVC, steel or VB bottom rail. Ball chain shall be 2mm diameter cord with acetyl balls moulded co-axially to it on 6mm pitch to form ball chain. Rate to include the cost of decorative trims also, if RECOMMENDED.	Sqm.	1590.00
82	(Common Area, Hall with furniture) Daily regular four times or more time as required sweeping & machine moping of all common area of floors including conference hall, and vacume cleanig of furnitures sofa & table, for removal of dust accumulated at skirting & window offsets and collection, segregation & storage of paper, plastics, unwanted materials from corridors, verandas, staircases, foyers, lounges, waiting rooms and common areas as per scope of work with manpower, required tools equipments,machines and sanitary consumables etc. complete. (for 2000 Sqm area Monthly 6 nos sweepar 1no supervisor,2 floor mopping machine ,1vacume cleaner,15brooms, Mulipurpose trolly for disposal 150 lit floor cleaning chamental should deployed for work) Measurment should be taken for floor area only.	Sqm. per month	17.85

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
83	Weekly cleaning of vertical glasses, glass partitions & window glass, ACP. curtain with telescopic boom arrangement vaccuume cleaning of window rails and at all heights of all buildings as per scope of work with manpower, required tools, equipments, machines and sanitary consumables etc. complete.(for 200 Sqm area Monthly 2 nos sweepar, 2 floor mopping telescopec tools,10 lit floor cleaning chaimical)	Sqm. per month	44.20
84	Providing and fixing 2 Hrs fire rated acoustic wooden Door of approved make, the door and whole system and criteria shall be comply with IS: 3614 – 2021, also the door shall be acoustic suitable to achieve minimum 35db sound reducing properties, the system shall comprising of door frame, shutter with hardware and other accessories & ancillary material as per approved manufacturer specification, as given in description/technical specification and as directed Engineer-In-Charge. Door Frame: The grooved Frames for Fire resistant door shall be Hardwood (Red merandi), densified and pressure treated with fire retardant chemicals in vacuum impregnation vessel as per IS: 401 and kiln seasoned to moisture level, the moisture content of any material used in the construction of wooden fire rated door, shall not be more than 15 percent, in accordance with IS 287. Wood dry density shall be above 450kgs/cum, The size of frame shall be min. 140 X 90 mm or as per approved manufacturer, with approved intumescent strip of size 20mmx4mm or as approved manufacturer to be concealed in the groove of the Frame for fire and smoke sealing, etc. Frame rebate shall be as per manufacturer standard, the frame to be fixed with anchor fastener / dash fasteners or as per approved manufacturer and as approved by EIC. Complete all as per direction of Engineer in Charge.Shutter: The thickness of shutter shall be 77-85mm ASBESTOS FREE) with commercial ply on both faces. Acoustic Door Shutter shall be complying with fire performance FD 120 as per IS: 3614-2021. The frame work to make shutter shall be hardwood made (Red merandi) , densified and pressure treated with fire retardant chemicals in vacuum impregnation vessel as per IS:401 and seasoned to moisture level, the moisture content of any material used in the construction of wooden fire rated door, shall not be more than 15 percent, in accordance with IS 287. Wood dry density shall be above 450kgs/cum, The shutter system shall be comprising of 2 x 12 mm thick noncombustible Calcium Silicate boards, approved in filled material with appropriate density as per IS 3614, other approved infill material as acoustic insulation filler, interlayer Rubber sheet, Fire retardant or approved plywood, internally lipped with hardwood beading and all around shutter etc. shall be as approved by EIC and as per approved manufacturer. The frame work, lipping shall be fire retardant primer/paint finish. The Intumescent seals shall 20 mm x 4 mm, the seal affixed on periphery for fire and smoke sealing in the slit on all edges of shutter except bottom. Rebate shall be as per manufacturer standard, The shall be finished with 1 mm thick approved laminate on both side, All complete as per approved manufacturer standard and as directed by EIC	Sqm.	22488.00
85	Providing and Fixing 18mm Hybrid WPC White Colour Cutwork (As per Specification & Design Provided by The Architect) 18mm Hybrid WPC White Colour Cutwork.	Sqm	4442.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
86	Providing and fixing 12mm Round Toughened Glass railing acid atching design work including fitting, hole making, cutting polishing edge moulding, making farma etc. as per site requirement design given as per architect as per direction of Engineer in Charge.	Sqm	13523.00
87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/ window/ Ceosetory windows & other Frames/ Chowkhat Frame size 65 x 125 mm comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/ moisture proof and fire retardant and fixed in position with M.S hold fast/ lugs/ SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge.	Rmt	1187.00
88	Providing and fixing factory made 35 mm thick single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/ moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-in- Charge.	Sqm	4589.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
89	Providing and fixing factory made 35 mm thick single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. complete as per direction of Engineer-in-Charge.	Sqm	4941.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
90	Providing and fixing of Metal Fire door from ISO 9001:2015 certified Manufacturer. The door must have been manufactured with galvanised GI sheet of GPSP Grade as per IS 277. All Fire doors must satisfy the requirement of latest NBC 2016 Part 4 for Fire & Life Safety guidelines for 120 minutes Fire Rating with minimum 20 minutes Insulation properties along with its Stability & Integrity for 120 minutes. The Prototype sample of the door must carry a prior test evidence as per IS 3614 part-2/ BS 476 Part 20 & 22. The manufacturer must submit the copy of test evidence prior to start of production. The offered test certificate should either carries its Validity or certificate must not be older than 5 years from CBRI / NABL Accredited Lab i.e Spectro / International Lab i.e Exova / TBW etc. Recommended fire door must also be certified by a third party evaluation program from approved International agency like IFC/ Intertek/ Certifire and must carry a label on all doors. All doors should be finished with Powder coating in desired regular RAL Shades. Door frame shall be Single rebate profile of section 100 x 57 mm made out of 1.20mm thick galvanised steel sheet with a factory pre-punched groove so as to accommodate Fire & smoke seal size 10x4mm. Frames should be butt jointed and field assembled with bolting system for proper strength. Frames should be provided with back plate for anchor fasteners (payable extra) for installation on a finished plastered wall opening. The Air gap between Wall and frame can be filled with fire retardant sealant. Door leaf should be minimum 46mm thick fully flush double skin door. Door leaf must be manufactured from 0.8mm (22 gauge) thick galvanised steel sheet. The door should be provided with reinforcement pads to receiving appropriate Hardwares of Becker Fire Solutions or Equivalent make. The Shutter shall be filled with proprietary infill material. For Double leaf doors; astragal has to be provided on meeting stile for both active and inactive leaf. Vision panels wherever required should be of 120 minutes fire rating and should be of nonwired type. fixing of Interlayered FR Glass of Saint-gobain, Pyrobeck Glaverbel or equivalent make minimum 11 mm thick interlayered, 120 minutes fire Rated (EW120, EI 20 minutes) Non Wired, Toughened Interlayered Glass of approved make and is to be fixed in between the glass beading by using ceramic fiber of size 300 mm x 600mm (Clear vision) and the manufacturer should have tested the similar glass of similar size or bigger size. The Location of the FR Glass will be as per the directions of Engineer-in-charge (Actual supplied Glass size will be measured for payment). FIXTURES FOR DOORS a) Supply & fixing of SS Ball Bearing Hinges of size 100 x 75 x 3mm complete with SS Screws of BB1953 Becker F.S Make (4 Nos per panel) (Required For All Doors) (b) Supply & fixing of anchor fasteners of HILTI/ FISHER/ Equivalent of maximum 80mm length. (c) Supply & fixing of door closers of BLC-0408 Becker F.S Make. d) Supply & fixing of PEL 246/346 Becker F.S. double leaf panic exit devices. e) Single Leaf Panic Bar Set Double Leaf Panic Bar Set f) Supply & fixing of PEL905 Becker F.S. Make Panic Trim For Operation From The Other Side Of The Panic Bar. g) Supply & fixing of Mortise Dead Lock Becker F.S. Make. (Required for Corridor, services area etc) Supply & fixing of SS D Type Offset Pull Handle of size 300mm mm Long of PHD2230 Becker F.S Make. h) Supply & fixing of Mortise Shash Lock With SS Lever Handle Of SL7260 Make i) Supply & fixing of Stainless Steel 304 grade 300mm Long Concealed Flush Bolt of BFBS1930 Becker FS Make with necessary screws as required. (Required with all varieties of Double Leaf door except having 3 Point Panic Bar) j) Supply & fixing of shaft lock with allen key of Becker FS Make. k) Supply & fixing of SS flush pull handle of BFPR1250 Becker FS Make.	Sqm	17164.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
91	Polishin in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying thime for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill the small and big hole/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spreya gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 to 2 layers without gap of time.)	Sqm	1033.00
92	Providing and fixing of 12 mm thick ply board of following specification for wall panelling on wooden freme with necessary star screw etc complete as required.		
(A)	12 mm Fire retardant plywood conforming to IS: 5509:2001	Sqm	1488.00
(B)	19 mm Fire retardant plywood conforming to IS: 5509:2001	Sqm	1896.00
(C)	12 mm Marine plywood conforming to IS: 710:2024	Sqm	1267.00
(D)	19 mm Marine plywood conforming to IS: 710:2024	Sqm	1615.00
93	Providing and fixing decorative sheet of following specification with protective surface layer and reverse side of adhesive bonding quality including cost of adhesive of approved quality.		
(A)	Decorative themoseting synthatic paper base resin bonded laminated	Sqm	1632.00
(B)	Highlighter Sheet (Carcole Base Sheet)	Sqm	2831.00
(C)	18 mm Thick W P C BOARD	Sqm	2406.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
94	Providing and fixing 3.6 mm thick natural wood veneer with dense grains and crown in vertical style, sheet should be pasted with matching the grains of veneer in countius manner wich may required wastage in sheets with adhesive such as favicol SR 998 or hitex if required with necessary nailling to board fro panelling approved quality including of all labour tools tackles etc complete.	Sqm	2227.00
95	Providing and fixing Antique Brass chromium plated premium finish mortice latch sash lock with lenth 165 mm & 6 levers and pair of lever handles of approved quality durabilities of 20000 cycles opening and closing with necessary socket making in door sutter with required screws etc complete.	Each	5967.00
96	Providing and fixing Antique Brass chromium plated premium finish mortice sash lock for small door with 6 levers and pair of lever handles of approved quality drabilities of 20000 cycles with sonload cycles of opening and closing with necessary socket making in door sutter with required screws etc complete.	Each	3791.00
97	Supply, and installation of a 600mm (32mm dia) door pull handle with antique finish, suitable for Acoustical doors, fabricated from solid stainless steel or brass for strength and durability, with a reinforced spindle or mounting system for secure attachment, ergonomic grip, and smooth operation. Handle to be corrosion-resistant, tested per ISO 9227 / EN 1670 for salt spray exposure, with mounting hardware included, compatible with door thickness 40–60 mm, and finished in a uniform antique/bronze patina that is resistant to wear, abrasion, and tarnishing.	Set	5515.00
98	Supply, and installation of a 600mm tower bolt made of solid brass or stainless steel with corrosion-resistant antique finish, suitable for heavy-duty doors and gates, designed for smooth manual operation with a sliding bolt mechanism and reinforced fixing points. Bolt to have a minimum bolt throw of 25–30 mm, with sturdy base plate and brackets for secure mounting on doors or frames 40–60 mm thick. Finish must be resistant to wear, abrasion, and tarnishing, tested per ISO 9227 / EN 1670 for salt spray/corrosion resistance, and supplied with all necessary mounting screws.	Each	2267.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
99	Supply, fabrication, and installation of a trap door with an 18 mm thick plywood frame and 19 mm thick blockboard shutter, in false ceiling for maintenance of A/C ensuring structural rigidity and smooth operation. The frame shall be constructed from IS: 710 2024 conforming marine grade plywood, reinforced at corners with blocks for stability. The shutter shall be 19 mm blockboard finished with laminate, veneer, or paint as specified, fitted with concealed hinges or piano hinges, and provided with a recessed or flush handle and locking mechanism for secure closure. All hardware must be corrosion-resistant and durable, with the assembly capable of supporting moderate foot traffic if required.	Sqm	3204.00
100	Providing CNC precision cutting work on MDF or calibrated plywood (12mm/18mm thick) as per approved design and drawings, including preparation of digital vector files (.dxf/.dwg), CNC routing using multi-axis CNC machines, cleaning and smooth sanding of cut edges, sealing (if specified), and making the panel ready for further finish or installation, complete in all respects as per direction of engineer-in-charge.	Sqm	3773.00
101	Providing and fabricating sandwich-type 65 mm thick door panel constructed with an aluminium frame made from 40x25x1.5 mm rectangular tubes placed along the entire periphery and in a grid pattern at 600 mm centre-to-centre, including proper placement and fixing of a lock rail. The internal gap shall be infilled with block board having a honeycomb core, and both sides of the frame shall be covered with 8 mm thick IS: 710: 2024 conforming marine grade plywood conforming to IS:710, fixed with suitable screws. The door panel periphery shall be finished with 50x25 mm teak wood battens, properly fixed and flush with the panel surface. The entire surface shall then be veneered with 3.6 mm thick teak veneer using Fevicol SSR 998 adhesive or approved equivalent, including all materials, tools, tackles, labour, and as per the directions of the Engineer-in-Charge.	Sqm	7143.00
102	Supplying, installing, testing and commissioning of Concealed Door Closer G 96 N Slide Arm EN 2-4 with hold-open unit Dormakaba ITS 96, including all necessary cutting, embedding, drilling, fixing and finishing works complete as per manufacturer's specification and direction of Engineer-in-Charge.	Each	17331.00
103	Supplying, installing, testing and commissioning of EN 4 Door Closer with slide channel and cover Dormakaba ITS 915, with hold-open unit, including all necessary cutting, alignment and finishing work, complete in all respects.	Each	9932.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
104	Supplying, installing, testing and commissioning of Door Closer with standard arm EN 2/3/4 (light traffic : door width - 850mm to 1100mm & weight-40 to 80kg) Dormakaba TS 68, suitable for wooden/aluminium shutters, with all necessary fixing and adjustments complete.	Each	3143.00
105	Supplying, installing, testing and commissioning of Door Closer with standard arm EN 2-4(high traffic : door width - 850mm to 1100mm & weight-40 to 80kg) Dormakaba TS 72, including cutting, drilling, alignment and all finishing works as required.	Each	8158.00
106	Supplying, installing, testing and commissioning of Floor Spring EN 1-4, suitable for door weight up to 120kg Dormakaba BTS 75V, including necessary cutting of floor, embedding, alignment, grouting and finishing complete as directed.	Each	14502.00
107	Supplying, installing, testing and commissioning of Floor Spring EN 4, suitable for door weight up to 100kg Dormakaba BTS 84, including cutting, fixing, making good the floor surface and finishing complete.	Each	16678.00
108	Supplying and fixing Lever Handle set, SS finish Dormakaba Pure 8100 / 8906, including necessary drilling, screw fixing, alignment and proper operation testing, complete.	Each	2229.00
109	Supplying and fixing Sash Lock, backset 55mm, CTC 72mm, faceplate 20mm, with strike plate and all accessories Dormakaba 271A, including necessary cutting and fixing complete.	Each	1729.00
110	Supplying and fixing EPC Cylinder 60mm (one side key, one side knob)Dormakaba, brass body, satin finish, including drilling, alignment and all necessary accessories complete.	Each	1729.00
111	Supplying and fixing Kick Plate, SS 304 Dormakaba , satin finish, including cutting, edge finishing, drilling and fixing with countersunk screws complete.	Each	4813.00
112	Supplying and fixing 278A Dead Lock, backset 55mm Dormakaba, 20mm square forend, with strike plate, including cutting, alignment and all necessary finishing complete.	Each	2110.00
113	Supplying, installing, testing and commissioning of Single Point Panic Bar Dormakaba PHCR 1000, suitable for door width up to 1300mm, including marking, cutting, drilling and all finishing works complete.	Each	8394.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
114	Supplying, installing, testing and commissioning of Two Point Locking Panic Bar Dormakaba PHCR 1000, left-handed, suitable for door height up to 2500mm, silver finish, with necessary cutting and fixing complete.	Each	10603.00
115	Supplying, installing, testing and commissioning of One & Two Point Locking Panic Bar (Double Door Type) Dormakaba PHCR 1000 , suitable for door width 1300mm and height 2500mm, silver finish, including fixing, cutting and alignment complete.	Each	18120.00
116	Doble bed wooden made in best quality teak wood and 18mm ISI wooden ply board with 4mm veneer Greenlam branded with 2"foam cusion on back of bed covered with best quality leatherite of white / brown colour , storage box under the bed, branded quality SS hinges and other fittings fitted by skilled labors .Wood the section of 1*1inches 4*4inches, 4*2inches , 3*2inches and 282inches of various lengths, completely polished as per choice of best quality melamine matt finish with liquor coating on top . Size :- Bed:-78*72inches (inner mattress size) head board ht:-39inches height(mattress level):-18inches or equivalent	Each	62900.00
117	Wooden wardrobe 3 doors made in teak wood and 18 mm ISI graded ply board with 4 mm thick veneer of branded quality pasted on it, with mirror made by skilled labours as per choice design with multiple drawers inside fitted on telescopic channels and best quality locks, all fittings are of branded quality made in brass quoted in liquor finish, wood section of 2"x2 , 3"x2" , 1"x1" and 4"x4" and wardrobe completelly polished in melamine walnut matt polish of best quality in 3 doors with hanging arrangement, 2 nos big drawers and 2 nos regular drawers. Size : 96"x66"x24". or equivalent	Each	95608.00
118	Dressing table wooden made in teak wood and 18&12 mm ISI graded board? MDF board pasted with 4mm ISI fraded veneer made by skilled labors with telescopic fitted drawers and cupboards with best quality brass fittings lacquered in steel finish. Customized to size and design with 4mm Modiguald mirror, framed in teakwood structure of best quality. Completely polished in best quality walnut melamine matt finish polish done and made by highly skilled labors. Size : 24*18*78 inches or equivalent	Each	17000.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
119	Providing and Fixing Leathertte Medium Back chair for Executives:The seat & back is made up of 1.2 ± 0.1 cm thk. hot pressed plywood measured as per QA method described in OCP-QLTA-PL14-18 ; upholstered with synthetic leather over moulded High Resilience Polyurethane foam. The HR polyurethane foam is moulded with density $=55 \pm 2$ kg/m ³ and hardness 16 ± 2 kgf as per IS:7888 for 25% compression. The adjustable armrest is designed with the following features : · Up-Down adjustment– 8 steps (8.0 ± 0.5 cm range) · Height adjustable armrest structure which is chrome plated & fitted with an armrest top. · Fixed Armrest Top is PU moulded over metal insert. The adjustable tilting mechanism is designed with the following features. · 360° revolving type. Single point control. · Front-pivot for tilt with feet resting on ground, · Tilt tension adjustment. · 4-position locking with anti-shock feature. · Seat/back tilting ratio of 1:2. Back can be adjusted in 5 positions by manually. Stroke of height adjustable spine is 7 cm. Back height or equivalent	Each	11046.00
120	Study table made in CP teakwood of best quality and 18 & 12mm wooden ply board/ MFD board fitted with drawers on top fitted to beat quality telescopic channels and other fittings with ample leg space, all three sides covered and completely polished as per choice in Natural Teak/Chocolate walnut polish coated with high gloss melamine matt polish of best quality done by skilled labors for long last & scratch resistant polish. Size:- 36*24*30inches	Nos	18700.00
121	Study chair made in best quality CP teak wood carved and customized to required comfort and covered with rich fabric of branded quality on high density foam and rubber sheet ISI graded with base of spring and niwar of best quality done by very skilled upholster, wooden portion completely polished with HI-gloss melamine matt polish for best finish and scratch less polish, wood sections of 2*2,4*2,3*3and 5*5inches	Nos	14025.00
122	Wardrobe (3 door) Wooden wardrobe made in teak wood and 18mm ISI graded ply board with 4mm thick veneer of branded quality pasted on it, made by skilled labors as per choice design with multiple drawers inside fitted on telescopic channels and best quality locks, all fittings are of branded quality made in brass quoted in liquor finish, completely polished in melamine walnut polish of best quality in 4 doors, with hanging arrangement, 5 nos big drawers and 2 nos regular drarwers. Size :- 78(h)*54*24inches	Set	55250.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
123	Side table wooden made in CP teak wood of best quality as per choice with matching carving work as sofa set with 12mm thick Italian marble top of best quality polished on all edges, wood sections of 4*2inches, 4*4inches and 2*2inches to provide best strength and design , polished completely in Hi-gloss melamine polish of best quality done by skilled labors. Size:-21*21*18inches	Pcs	11900.00
124	Double bed wooden made in best quality CP teak wood and 18 mm ISI wooden ply board/ MDF board pasted with 4mm veneer Greenlambranded , storage box under the bed, branded quality SS hinges and other fittings made by skilled labors. Wood sections of 1*1, 4*4, 4*2, 3*2 and 2*2 inches of various lengths, completely polished in white deco color/teak finish/chocolate walnut as per choice of best quality with melamine matt coating on top. Size:- Bed 78*72inches(ner mattress size) Headboard ht:- 33inches Height (mattress level) :- 18inches	Set	45900.00
125	Center table wooden made completely in CP teak wood of best quality as per choice with matching hand carving / kharad work as per sofa set with 12mm thick Modiguard brand clear float top of best quality- polished on all edges placed within wood frame, wood sections of 4*2inches, 4*4inches and 2*2inches to provide best strength and design, polished completely in natural teak/chocolate walnut color coated with Hi-gloss melamine matt polish of best quality done by skilled labors for long last & scratch proof polish. Size:- 36*18*18inches.	Nos	20400.00
126	Providing and Fixing if required Executive Table of :Size: (w)1665mm x(D)900mm x(H)73 5mm. ERU : (W)900 x (D)483 x (H)670 Combination of Processed Wood and Steel. Worksurface : Prelaminated Board. All edges are sealed with 2mm thick Beading. Understructure is MS ERW square tube 30x 30x1.6 thick. Side + Front + Back Panels are Prelaminted Twin Board of 18mm Thick. Front Support Tube: MS ERW 32x 19x 1.6 thick. Desk Pedestal: combination of pre laminatedpanles and MS Sheets. Size: (W)439 x 729(D) x 536(H). Roller Slides. ERU storage: Hindge Door Unit with shelf 341(W) x 438(D) x 493(H). Table for Executives	Nos	36060.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
127	Providing and Fixing if required Computer table: all wood desk. The desk comprises of a Worktop, Side panels and Modesty panel and a freestaading pedestal. The entire desk nit is assembled with suitable KD fittings and hardware. Each side panel is provided with a cutout for laying cables for the monitor and other computer accessories. Worktop: Made from 25 mm Thick Pre laminated Particle board. All theedges are sealed with 2 mm thick PVC edge band all around. Side Panels: Made from 25 mm Thick Pre-laminated Particlel board. All the edges are sealed with 2 mm thick PVC Edge band on the user side and 0.8 mm on the Top and Bottom Side. The side panels have 2 glide screws each for leveling of the desk. Modesty Panel: Made from 18 mm Thick Pre- laminated Particle board. All the edges are sealed with 0.8 mn thick PVC edgel band all. around. Freestanding Pedesta!: The freestanding pedestal is made from 18 mm Pre-laminated Particle board with a combination of 2mm and 0.8 mm PVC Edge band on all the exposed surfaces as per requirement. The drawers are provided with suitable slides for smooth operation. All the pedestal drawers are centrally locked with a single key. a) Computer Table (1200 x 600 x 740)	Nos	12997.00
128	Providing and Fixing if required Full HB Chair : Full BACK Size: 46.5cm(W) x 60.0cm (H), Seat 51.0cm (W) x 49.0cm(D) Cushioned Seat Assembly consists of seat outer material 30% glass fiber nylon upholstered Seat (Poly Propylenc) with mouldedpolyurethane foam and polvster fabric. 1 he net back is made up of back outer (material glass fiber filled Nyion) & Back Inner (Material PP) and upholster using polyster nesh fabric with high tenacity yarn. High Resilience Polyurethane foam is moulded with density= 45+2kg/m3 and hardness load 12+2 kgf as per IS:7888 for 25% Compression. The support spine is made of High pressured Die cast polished aluminium. Armrest has two adjustment Height and Depth of 6.0+0.5cm. Height adikustment is provided in aiuminium structure of armrest which is connected Aluminium back spine and operated by button. Chair must be BiFMA level two certified for design and Griha certified for reducing the carbon footprint as per govt. green initiative. Armrest top is made of PU molded over plastic inner. Adjustable tilting nechanism with following features. 360 revolving type. 5 position tiit limiter giving option of variable tilt angle. seat back tilting ratio 1:2. This mechanism housing is made up of HPDC Aiuminium and black powder coated: The pneumatic Height adjustment has an adjustment stroke of 10.0 +0.3cm. a) Mesh Back High Back Chair	Nos	18527.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
129	Providing and Fixing if required Visitor Chair: Seat Size: 65.5 cm(W) x 58.2cm(D) 99.5cm(H)x seat Height 48.5cm Seat and back are made of 1.2+0.1 cm thick hot pressed plywood. Measured as per QA method described in CP-QLTA-P14-18 and Upholstered with fabric and mouldedpolyurethane foam with PVC lipping all around. The one piece armrest is made of black integral skin polyurathene with 50-70 shore 'A' hardness and reinforced with M.S. insert. The tubular frame is cantiviler type & made up of 02.54+0.03 cm x 0.2+0.016cm thick MSERW tube and black powder coated (DFT 40-60 microns.). Chair must be BIFMA level two certified for design and Griha certified for reducing the carbon footprint as per govt. green initiative. a) Mesh Back Visitor Chairs	Each	13576.00
130	Providing and Fixing if required Medium Mesh Back Chair: Fuli Back Size: 46.5cm(W) x 60.0cm H) Seat 5i.0cm (W) x 49.0cm(D) Cushioned Seat Assembly consists of seat outer material 30% glass fiber nylonl and upholstered Seat (Poly Propylene) with mouldedpolyurethane foam and polyster fabric. The net back is made up of back outer (material glass iber filled Nylon) & Back Inner (Material PP) and upholster using polyster mesh fabric with high tenacity yarn. High Resilience Polyurethane foam is moulded with density 45+2kg/m3 and hardness load 12+2 kgf as per IS:7888 for 25% Compression. The support spine is made of High pressured Die cast polished aluminium. Armrest has two adjustment Height and Depth of 6.0+0.5cm. Height adjkustment is provided in aluminium structure of armrest which is connected Aluminium back spine and operated by button. Armrest top is made of PU molded over plastic inner.Chair must be BIFMA level two certified for design and Griha certified for reducing the carbon footprint as per govt. green initiative. Adjustable tilting mechanism with following features. 360 revolving type. 5 position tilt limiter giving option of variable tilt angle. seat back tilting ratio 1:2. The mechanism housing is made up of HPDC Aluminium and black powder coated. The pneumatic Height adjustment has an adjustment stroke of 10.0+0.3 cm a) Mesh Back Mid Back Chair	Nos	17354.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
131	twin wheel castors. The pedestal is 65.0 ± 0.5cm. pitch-center dia. (75.0 ± 1.0cm. With castors.) The twin whtelcastors are injectionmoulded in black Dl. The tubular frame is powder coated (DFT 40-60 microns) cantilever structure & made of Dia.0 2.54 ± 0.03cm. x 0.24 0.016cn.thk. M.S. E.R.W. Tube with a connecting M.S. Spine weided to it. Back spine is fitted to the frame assembly. Seat can be slide horizontaly as per user convicnience. Stroke of seat slide is 5 cm. This option is available for revolving pedstal type of chair. Visitor Chairs: The tubular frame is powder coated (DFT 40-60 microns) cantilever structure & made of Dia.Ø 2.54 +0.03 cm. x 0.2 +0.016cm.thk. M.S. E.R.W. Tube with a jconnecting M.S. Spine welded to it. Back spine is fitted to the frame assembly. a) High Back Chair for Senior Executives b) Visitor Chairs	Nos	7143.00
132	Providing and Fixing if required Glass top Premium Coffee Table: Size: (L) 2125mm x (W)980man x (H) 850mm x Seating area width 565mru x Seating area length 1440mm x seating area height from ground 460mm x Arm height 635mm. frame material tropical wood with moister content less than 10% with anti termiteboreex powder treatment, Synthetic leather thickness of 1 mm. Thread type: polyester. Width of beit webbing material: 68-48mm. standered IS 303 Commercial plywood used of 12mm and 18mm. Seat Foam Density: Thickness (mm): Racron Per Seet 2 kg/45mm Foam 32d/ Wadding Fiber-2 mtr.BACK FOAM: 10mm foam load per back 2.7kg. Width of belt (mm): 48mm 68mm, Leg: (Self Tapping Screw / Insert with metric threading):- Woodscrew provided on frame in addition to M-8/T-Nut, PVC Bush for Leg bottom a) Coffee Table	Nos	6810.00
133	Providing and Fixing if required Glass Top Premium Corner Table: TABLE LEGS METERIALS & SIZE: METAL ROUND TUBE, DIA25X1:2, Color: CHROME, TABLE TOP MATERIALS & SIZE: (DENSITY/TYPE) OVAL GLASS TOP: (L)550X (W)550X (T)10MM, PARTIAL BLACK Bottom Shelf: (L)280 X (W)280 X (T)8MM, FULL BLACK BOTTOM finishing: BLACK TOP AND CHROME FRAME AND LEGS a) Corner Table	Nos	4882.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
134	Providing and Fixing if required Premium Synthetic Leatherette Sofa: The under-structure should be made from tropical seasoned hard wood / particle board. The webbing material should be nylon strips of width 2" / 3". The foam at the back of the sofa should be Polyurethane slab stock foam with 1" recron layer filling at back and arms. Foam density to be 28 Kg / Cu. Mtr. The foam of the seat should be Polyurethane slab stock foam with 1" recron layer filling. Foam density to be 28 Kg / Cu. Mtr. The sofa should be upholstered with PU synthetic leather. The legs to be visible in front, made of MDF wooden fascia with melamine coating. Three Seater Overall size: 200.0 cm (W) x 88.0 cm (D) x 78.0 cm (H) x 45 Cms. (SH) Two Seater Overall size: 137.0 cm (W) x 88.0 cm (D) x 78.0 cm (H) x 45 Cms. (SH) Single Seater Overall size: 100.0 cm (W) x 88.0 cm (D) x 78.0 cm (H) x 45 Cms. (SH a) Sofa 3 Seater	Nos	35258.00
135	b) Sofa 2 Seater	Nos	27890.00
136	C) Sofa 1 Seater	Nos	20720.00
137	Providing and Fixing if required Glass top Premium Discussion and Meeting Table: a) Discussion Table with Wire Manager (2700W* 1500D * 750H)	Nos	34022.00
138	Providing and fixing Table, Television Console for Cabinet hall. The console structure is made of 18mm+18mm Total A36mm waterproof ply finished in 1mm laminate (century brand) for durability, the top and edge of console is finished in 6mm corian of white colour(VIVANTA Brand). The drawers and shutters of the cabinet are made in 12mm waterproof ply finished in 8mm fabric finish inner mica and edges and finished in mica. 12" Telescopic soft close channel of ss finish (hafele) are being used for drawers applied using necessary screws.	Each	79941.00
139	Providing and fixing curtains of 450-600 gsm thick fabric curtains. POLYSTER BASED embossed fabric with 280 gsm (+/-5%) thickness stitched with black out fabric of 270gsm (+/-5%). Curtains are hung on wall using aluminium finish 1"x1" Jumbo tracks(local) of weight 1.25kg (+/-5%) per jumbo track of 15' long track using ss finish hooks. As per Specification	Sqm	2488.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
140	Supply Single & Double Mattress with specification Box Top finish with High Resilience Profile Foam Impression Memory, Rebounded Foam for Firmness, Premium Knifed Fabric; Triple support layer & 7 Years Warranty.		
140.1	78" X 72" X 10"	Each	79783.00
140.2	78" X 72" X 8"	Each	63933.00
140.3	78" X 36" X 10"	Each	39780.00
140.4	78" X 36" X 8"	Each	31151.00
141	Bed Sheet white strife 30DTC Size :- 112 x 112 Double	Each	978.00
142	Bed Sheet white strife 300DTC Size :- 72 x 112 Double	Each	672.00
143	Pillow Cover strife 300DTC Size :- 18 x 27	Each	153.00
144	Bed Sheet 30DTC PoecelSize :- 112 x 112 Double	Each	978.00
145	Bed Sheet 30DTC PoecelSize :- 72 x 112 Double	Each	672.00
146	Pillow Cover Poecel 300DTC Size :- 18 x 27	Each	153.00
147	Comforter Soft Feel Single Size -60"X90" WHITE	Each	1488.00
148	Comforter Cover 300TC Satin Stripe Size - 60"X90"	Each	1318.00
149	Pillow Soft Feel Size - 18"X27"	Each	552.00
150	Pillow Protectorsigma Size 18"X27"	Each	361.00
151	Mattress Protectorsigma Size -78"X72"X10"	Each	1517.00
152	Mattress Protectorsigma Size -78"X36"X10"	Each	786.00
153	Towel Classic White	Each	764.00
154	Hand Towel Classic White	Each	424.00
155	Doormat 9MTR-18MM (59.50 SQFT)	Each	4803.00
156	Bed Cover (SELF QUILTED) 90"X100"	Each	2508.00
157	Runner 60 x 150	Pcs	2763.00
158	Doormet Diana 40 x 60	Pcs	574.00
159	Curtin Cloth Sheer	Mtr.	591.00
160	Curtin Rod with Instolation	Per Ft.	89.00
161	Double Bracket Set WithFiniwal	Set	765.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
162	Providing and fixing Acoustical Sandwiched Doors of size from First class teakwood frame of finished size 225mm x 80 mm and 66mm thick finished shutters consisting of 100x42mm teakwood style, top and lock rail 125x42 and bottom rail, 150x42mm, and intermediate 25mmx42mm Teak wood horizontal members, with 8mm thick BWP 710 grade ply on both sides and 4mm thick natural veneer (BWP grade) with grooves on one side (Green ply Century make or equivalent). 50mm thick core of Glass wool slab (24 kg density) 16g Fiber glass tissue paper sandwiched inside and 25mm thick 32 density kurlon make foam with 1 mm thick leatherite, stitched in rombus shape on inside. Heavy duty stainless steel hinges (152mmx76mmx3mm) 316 grade with bearings with Pin and cap, 300mm tower bolts ss 304 grade, 450mm heavy handle ss 316 grade, 350mm heavy duty Aldrops ss 316 grade, heavy door stoppers (zinc), rubber buffers, concealed hydraulic door closer aluminum extruded wt. up to 90 kgs, (Ozone or Yale make) as per drawing schedule of fitting and fixtures of (kich, Godrej make or equivalent). All around edge Teak wood bead 70mm x 12mm thick, including finishing the over all surface with thinner polish spray and P.U. coating etc, complete to the satisfaction of Engineer in Charge.	Sqm.	15306.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
163	Regular Sofa 1 Seater Providing and fixing in position, Single Seater Sofa of External Size: 910 mm x 820 mm, 1000 mm Height with internal seating space length 610mm x depth 470mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with 25 mm thick 50D PU Foam. Back rest and arm rests shall be padded up with 25 mm 50D PU Foam 50 mm 32D Super Softy Foam, upholstered with approved 100% Polyester fabric with smooth touch and soft feel. Shade and colour as per selection with 40000 Martindale and minimum 360 GSM & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be made out of Burma Teak/Oak/Pine wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyester insulator, dent filler wherever necessary. The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design. Glueing of material with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	21219.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
164	Regular Sofa 2 Seater Providing and fixing in position, Two Seater Sofa of External Size: 1440 mm x 820 mm, 1000 mm Height with internal seating space length 1140mm x depth 470mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with 25 mm thick 50D PU Foam. Back rest and arm rests shall be padded up with 25 mm 50D PU Foam 50 mm 32D Super Softy Foam, upholstered with approved 100% Polyster fabric with smooth touch and soft feel. Shade and colour as per selection with 40000 Martindale and minimum 360 GSM & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be made out of Burma Teak/Oak/Pine wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary. The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design. Glueing of material with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	30632.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
165	Regular Sofa 3 Seater Providing and fixing in position, Three Seater Sofa of External Size: 2020 mm x 820 mm, 1000 mm Height with internal seating space length 1720 mm x depth 470 mm x height 460 mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with 25 mm thick 50D PU Foam. Back rest and arm rests shall be padded up with 25 mm 50D PU Foam 50 mm 32D Super Softy Foam, upholstered with approved 100% Polyester fabric with smooth touch and soft feel. Shade and colour as per selection with 40000 Martindale and minimum 360 GSM & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply, the leg and back assembly shall be made out of Burma Teak/Oak/Pine wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyester insulator, dent filler wherever necessary. The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design. Glueing of material with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	41737.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
166	Teak wood Sofa 1 Seater Providing and fixing in position, Single Seater Sofa of External Size: 910 mm x 820 mm, 1000 mm Height with internal seating space length 610mm x depth 470mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with 25 mm thick 50D PU Foam. Back rest and arm rests shall be padded up with 25 mm 50D PU Foam 50 mm 32D Super Softy Foam, upholstered with approved fabric / High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000, the fabric/Leatherite should have Soft Feel & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be carved/ lathed out of Central Province teak wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary,The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design and size made out of first quality Bijapur/Batul/Balaghat forest teak wood (Premium Quality) wherever applicable, all hardware fitting's (make Hettich, Hafele, Dorma or equivalent) accessories, glueing with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	54115.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
167	Teak wood Sofa 2 Seater Providing and fixing in position, Two Seater Sofa of External Size: 1440 mm x 820 mm, 1000 mm Height with internal seating space length 1140mm x depth 470mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with 25 mm thick 50D PU Foam. Back rest and arm rests shall be padded up with 25 mm 50D PU Foam 50 mm 32D Super Softy Foam, upholstered with approved fabric / High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000, the fabric/Leatherite should have Soft Feel & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be carved/ lathed out of Central Province teak wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary,The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design and size made out of first quality Bijapur/Batul/Balaghat forest teak wood (Premium Quality) wherever applicable, all hardware fitting's (make Hettich, Hafele, Dorma or equivalent) accessories, glueing with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	80693.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
168	Teak wood Sofa 3 Seater Providing and fixing in position, Three Seater Sofa of External Size: 2020 mm x 820 mm, 1000 mm Height with internal seating space length 1720 mm x depth 470 mm x height 460 mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with 25 mm thick 50D PU Foam. Back rest and arm rests shall be padded up with 25 mm 50D PU Foam 50 mm 32D Super Softy Foam, upholstered with approved fabric / High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000, the fabric/Leatherite should have Soft Feel & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be carved/ lathed out of Central Province teak wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary,The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design and size made out of first quality Bijapur/Batul/Balaghat forest teak wood (Premium Quality) wherever applicable, all hardware fitting's (make Hettich, Hafele, Dorma or equivalent) accessories, glueing with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	108739.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
169	Maharaja Teak Wood Sofa 1 Seater Providing and fixing in position, Single Seater Maharaja Sofa of External Size: 1000 mm x 860 mm, 1060 mm Height with internal seating space length 670 mm x depth 500mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with double 25 mm thick 50D PU Foam and on top surface 50 mm 32D Super Softy Foam. Back rest padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) and arm rests shall be padded up with 25 mm 50D PU Foam and both back & arm should have 50mm 32D Super Softy Foam at top surface, upholstered with approved rich fabric / High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000, the fabric/Leatherite should have Soft Feel & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be carved/ lathed out of Central Province teak wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary,The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design and size made out of first quality Bijapur/Batul/Balaghat forest teak wood (Premium Quality) wherever applicable, all hardware fitting's (make Hettich, Hafele, Dorma or equivalent) accessories, glueing with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	80650.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
170	Maharaja Teak Wood Sofa 2 Seater Providing and fixing in position, Two Seater Maharaja Sofa of External Size: 1520 mm x 860 mm, 1060 mm Height with internal seating space length 1190 mm x depth 500mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with double 25 mm thick 50D PU Foam and on top surface 50 mm 32D Super Softy Foam. Back rest padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) and arm rests shall be padded up with 25 mm 50D PU Foam and both back & arm should have 50mm 32D Super Softy Foam at top surface, upholstered with approved rich fabric / High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000, the fabric/Leatherite should have Soft Feel & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be carved/ lathed out of Central Province teak wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary,The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design and size made out of first quality Bijapur/Batul/Balaghat forest teak wood (Premium Quality) wherever applicable, all hardware fitting's (make Hettich, Hafele, Dorma or equivalent) accessories, glueing with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	127087.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
171	Maharaja Teak Wood Sofa 3 Seater Providing and fixing in position, Three Seater Maharaja Sofa of External Size: 2130 mm x 860 mm, 1060 mm Height with internal seating space length 1800mm x depth 500mm x height 460mm as per approved furniture selection document, design, specified size and generally comprising of the following unless otherwise specified : The seat shall be padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) covered with double 25 mm thick 50D PU Foam and on top surface 50 mm 32D Super Softy Foam. Back rest padded with 100 mm thick 50D High Resilience Foam (Premium high density polyurethane foam) and arm rests shall be padded up with 25 mm 50D PU Foam and both back & arm should have 50mm 32D Super Softy Foam at top surface, upholstered with approved rich fabric / High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000, the fabric/Leatherite should have Soft Feel & Anti Scratch properties or as specified. The understructure for the seat and backrest shall be made with 18 mm thick BWP calibrated ply , the leg and back assembly shall be carved/ lathed out of Central Province teak wood cross sections devoid of major knots. The item shall include providing and laying PU polish on new wood work (three or more coats) with spray machine after sandpaper surfacing, 2 Coat Polyster insulator, dent filler wherever necessary,The item shall includes cutting, planing, carving, joining to required shape & profile as per architectural requirements, edge mouldings / lippings as per approved design and size made out of first quality Bijapur/Batul/Balaghat forest teak wood (Premium Quality) wherever applicable, all hardware fitting's (make Hettich, Hafele, Dorma or equivalent) accessories, glueing with approved adhesives (make pidilite, Laticrete or equivalent), PVC floor buffers wherever required, SS screws, Hinges and fasteners etc. complete as per approved drawings, technical specifications and as per direction of Engineer in charge.	Each	162648.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
172	Re-Cushioning, and Ply Replacement of a Regular Single-Seater Sofa (Leatherite) Re-Cushioning, and Ply Replacement of a Regular Single-Seater Sofa (Leatherite) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability. Proper and neat High Quality Leatherite With Composition-100 PU Heavy Martendile-25000, Soft Feel Anti Scratch fabric, width:145CM GSM:380. Pilling:4-color Fastness Light:4. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	11947.00
173	Re-Cushioning, and Ply Replacement of a Regular Double-Seater Sofa (Leatherite) Re-Cushioning, and Ply Replacement of a Regular Double-Seater Sofa (Leatherite) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability. Proper and neat covering with High Quality Leatherite With Composition-100 PU Heavy Martendile-25000, Soft Feel Anti Scratch fabric, width:145CM GSM:380. Pilling:4-color Fastness Light:4. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	16753.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
174	Re-Cushioning, and Ply Replacement of a Regular Three-Seater Sofa (Leatherite) Repair, Re-Cushioning, and Ply Replacement of a Regular Three-Seater Sofa (Leatherite) Complete repair and rehabilitation of a three-seater sofa, including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability. Proper and neat covering with High Quality Leatherite With Composition-100 PU Heavy Martendile-25000, Soft Feel Anti Scratch fabric, width:145CM GSM:380. Pilling:4-color Fastness Light:4. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	22364.00
175	Re-Cushioning, and Ply Replacement of a Single-Seater Regular Sofa (Fabric) Re-Cushioning, and Ply Replacement of a Single-Seater Regular Sofa (Fabric) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability.Proper and neat covering with 100% Polyster fabric with smooth touch, shade and colour as per selection with 40000 Martindale and minimum 360 GSM. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	9994.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
176	Re-Cushioning, and Ply Replacement of a Double-Seater Regular Sofa (Fabric) Re-Cushioning, and Ply Replacement of a Double-Seater Regular Sofa (Fabric) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability.Proper and neat covering with 100% Polyester fabric with smooth touch, shade and colour as per selection with 40000 Martindale and minimum 360 GSM. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	13977.00
177	Re-Cushioning, and Ply Replacement of a Three-Seater Regular Sofa (Fabric) Repair, Re-Cushioning, and Ply Replacement of a Three-Seater Regular Sofa (Fabric) Complete repair and rehabilitation of a three-seater sofa, including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability. Proper and neat covering with 100% Polyester fabric with smooth touch, shade and colour as per selection with 40000 Martindale and minimum 360 GSM . The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	18900.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
178	Re-Cushioning, and Ply Replacement of a Single-Seater Teak Maharaja Sofa (Leatherite) Re-Cushioning, and Ply Replacement of a Single-Seater Maharaja Sofa (Leatherite) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability.Proper and neat covering with High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000,Soft Feel Anti Scratch,width:145CM GSM:380. Pilling:4-color Fastness Light:4. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	15442.00
179	Re-Cushioning, and Ply Replacement of Double -Seater Teak Maharaja Sofa (Leatherite) Re-Cushioning, and Ply Replacement of a Double-Seater Maharaja Sofa (Leatherite) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability.Proper and neat covering with High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000,Soft Feel Anti Scratch,width:145CM GSM:380. Pilling:4-color Fastness Light:4. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	21853.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
180	Re-Cushioning, and Ply Replacement of Three -Seater Teak Maharaja Sofa (Leatherite) Re-Cushioning, and Ply Replacement of a Three-Seater Maharaja Sofa (Leatherite) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability.Proper and neat covering with High Quality Leatherite With ,Composition-100 PU Heavy Martendile-25000,Soft Feel Anti Scratch,width:145CM GSM:380. Pilling:4-color Fastness Light:4. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	29567.00
181	Re-Cushioning, and Ply Replacement of a Single-Seater Teak Maharaja Sofa (Rich Fabric) Re-Cushioning, and Ply Replacement of a Single-Seater Maharaja Sofa (Rich Fabric) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables:Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood.Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability.Proper and neat covering with approved 100% Polyster high Quality fabric with smooth touch and soft feel. Shade and colour as per selection with 60000 Martindale and minimum 410 GSM & Anti Scratch properties. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting.Safe removal and off-site disposal of all old, unserviceable materials.All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	14433.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
182	Re-Cushioning, and Ply Replacement of Double -Seater Teak Maharaja Sofa (Rich Fabric) Re-Cushioning, and Ply Replacement of a Double-Seater Maharaja Sofa (Rich Fabric) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables: Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood. Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability. Proper and neat covering with approved 100% Polyester high Quality fabric with smooth touch and soft feel. Shade and colour as per selection with 60000 Martindale and minimum 410 GSM & Anti Scratch properties. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting. Safe removal and off-site disposal of all old, unserviceable materials. All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	20382.00
183	Re-Cushioning, and Ply Replacement of Three -Seater Teak Maharaja Sofa (Rich Fabric) Re-Cushioning, and Ply Replacement of a Three-Seater Maharaja Sofa (Rich Fabric) including the total replacement of the existing unserviceable cushion and plywood frame. The scope includes the following specifications and deliverables: Frame Reconstruction: Complete replacement of the structural frame using 18 mm waterproof commercial plywood. Cushioning & Padding: Supply and installation of high-resilience padding using a combination of 50 D HR (High Resilience) Foam, 32 D Super Softy Foam, and 50 Density PU (Polyurethane) Foam in varying thicknesses as structurally required for optimal comfort and durability. Proper and neat covering with approved 100% Polyester high Quality fabric with smooth touch and soft feel. Shade and colour as per selection with 60000 Martindale and minimum 410 GSM & Anti Scratch properties. The quoted rate is comprehensive and inclusive of all necessary materials, specialized tools, and skilled labour required for proper fixing and fitting. Safe removal and off-site disposal of all old, unserviceable materials. All works must be executed to a high standard of workmanship, incorporating any miscellaneous materials required to complete the job as per the directions of the Engineer-in-Charge.	Each	27715.00

SPECIALIZED ITEM - STEEL AND ALUMINIUM WORK

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Providing and fixing 4 steps Pool Ladder as per standard design on tank wall made with S.S.-304 grade pipe of 43 mm dia, width 500 mm, steps distance 250 mm to be fixed with maintaining distance of 180 mm from pool wall and to be fixed with required self expanding fastener etc. complete. Make Like SWILL, Canam Aqua, NEXUS	Each	25118.00
2	Providing and fixing 5 steps Pool Ladder as per standard design on tank wall made with S.S.-304 grade pipe of 43 mm dia, width 500 mm, steps distance 250 mm to be fixed with maintaining distance of 180 mm from pool wall and to be fixed with required self expanding fastener etc. complete. Make Like SWILL, Canam Aqua, NEXUS	Each	27082.00
3	Providing Aluminium Vacuum head for Heavy duty use; 19" wide; 38/50 mm connection weight: 4 kg Double Head 2 Fairlocks + connecting yoke. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	14960.00
4	Providing TELESCOPIC ALUMINIUM POLE 3.5 to 7.5 M Extension With functional excenter length adjustment, ergonomic soft hand grip. (Patented system for easy and quick assembly of the cleaning accessories) Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	7480.00
5	Providing and fixing Starting Blocks of size 500 x 500mm and height 700mm as per approved design made with S.S.-316 grade. The top surface of starting block should be polyester and fiberglass with non slip finish. Block to be fixed with self expanded fastener etc. complete. Make Like SWILL, Canam Aqua, NEXUS	Each	74112.00
6	Providing and fixing Float Line supplied with floats, 6 mm stainless steel cable and hooks ect. Complete. Floats length 50 M Make Like SWILL, Canam Aqua, NEXUS	Each	108945.00
7	Providing and fixing Float Line anchors made with S.S.-316 grade "S" Shape hook with spring etc complete. Make Like SWILL, Canam Aqua, NEXUS	Each	5616.00
8	Providing and fixing Float Line Flange anchoring Socket made with S.S.-316 grade fixed in wall of swimming pool with SS anchor bolts etc. complete. Make Like SWILL, Canam Aqua, NEXUS	Each	9297.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
9	Providing and fixing Float Line tensioner made with S.S-316 grade on either side of float lane Make Like SWILL, Canam Aqua, NEXUS	Each	6514.00
10	Providing and fixing False Start indicator post of 2 stainless steel post made with S.S.-316 grade 43 mm dia pipe and height 1.80 M one of them with pulley and quick cord fixing and loosening device. Make Like SWILL, Canam Aqua, NEXUS	Each	45391.00
11	Providing and fixing Level anchor fixing for 43 mm dia false start post made with S.S.-316 grade. Make Like SWILL, Canam Aqua, NEXUS	Each	22551.00
12	Providing and fixing Backstroke turn indicators post for indicating competition back stroke swimmers approximity of the end of the pool. comprising of 4 posts in stainless steel 43 mm dia and height 1.80 M made with S.S-316 grade. Make Like SWILL, Canam Aqua, NEXUS	Each	69935.00
13	Providing and fixing Level anchor fixing for 43 mm dia back stroke indicator post made with S.S.-316 grade. Make Like SWILL, Canam Aqua, NEXUS	Each	49549.00
14	Providing Lifeguard Loop, life saving hooks made of AISI-304 stainless steel to be used with telescopic handles. Make Like SWILL, Canam Aqua, NEXUS	Each	13090.00
15	Providing and Fixing in position 8mm thick Ackd etched Toughened flat glass Partition with Edge Polishing, fixing with Aluminum IS Section (Alluminium to be paid Seprataly) including all heading fixture all complete.	Each	2848.00
16	VERTICAL BLIND Providing and fixing 100 mm vertical blinds to all the windows with aluminium channel and ss chain with rollers and as per manufacturer's specifications. Approved make Marc, Vista Levelor, Technofab. Basic rate 1450/- SQM. (Location: Approved Windows.)	SQM	1517.00
17	ROLLER BLIND Providing and fixing roll down Roller blinds to all the windows with aluminium channel and ss chain with rollers and as per manufacturer's specifications and of approved colour and shade and approved make Marc, Vista Levelor, or Technofab. Basic rate = Rs. 1600/- per SQM. (Location: Conference Room Windows.)	SQM	1896.00
18	Supply and fixing of SS Ball Bearing Hinges of size 102x72x3xmm with four bearings equivelent to DHS 234 S of Kich in SS 316 Garde with necessary screw etc.scomplete.	Each	978.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
19	Design, supplying and installing PVDF coated aluminium louvered panel equivalent to Luxalon® 132S sun louver system as manufactured by Hunter Douglas India Pvt. Ltd or equivalent . The system shall consist of Z -shaped panels fixed on aluminium extruded brackets. The panels shall be of dimension 98.5mm X 132mm with back rolled round edges and manufactured from 0.6mm thick aluminium coil coated with scratch resistant Luxacote® finish. The clamps belonging to the system and anodized to 20 microns shall be fixed to the approved substructure as per required 150mm module size. Clamps shall be fixed at 150 mm from panel edges and maximum center-to-center spacing of 750MM TO 1000MM all properties and specifications shall comply with ECCA directives and more specifically EN 1396:1996. The front side of the panel shall be of approved colour having Luxacote® finish consisting of 3 layers of coating 24- 30microns thick and the backside shall have standard white polyester coating.(Flat area of the surface covered with louvers shall be measured and payed for.)	Sqm.	10296.00
20	Supplying and fixing Stainless Steel AISI 316 grade satin finished door hinge with 4 bearings ,of size 127x76x3 and SS self tapping philips cross head screws ,equivalent to Kich DH 235S	Each	1098.00
21	Providing and fixing Glass Reinforced Concrete (G.R.C) screens in approved size, pattern, design, thickness and approved color from f M/S UniStone or equivalent approved. The screens should be made from '53 grade' Cement manufactured by 'JK Cement' or equivalent, Fine graded Quartz & Silica Sand, Alkali Resistant Glass Fiber manufactured by 'N.E.G. JAPAN' or equivalent, Super Plasticizers manufactured by 'BASF' or equivalent, Polymers manufactured by 'BASF' or equivalent and U.V resistant Synthetic inorganic pigments should be used for pigmentation manufactured by 'BAYFERROX (Germany)' or equivalent. The material casting should take place in FRP Mould or equivalent. The fixing of Screens should be done with 'Dry fixing' methodology i.e. to be done with M.S. Galvanized 'L' shaped Clamps, dash fasteners and pins, as per approved shop drawings from Engineers in charge.Rates are inclusive of all the operations described above for all heights and leads including all scaffolding ,staging ,T&P and sundries eic.	Sqm.	6515.00
22	Fabricating, supplying, Installtion, testing and commissioning of electrical control panel of cubicle construction, floor mounted type, fabricated out of 2 mm thick CRCA sheet, compartmentalised with hinged locakable doors, dust and vermin proof, cable alley, inter connection, having switchgears and accessories mounting and inernal wiring, earth terminals, numbering etc. complete in all respects, suitable for operation on 415 V, 3 phase, 50 Hz AC supply with enclosure protection class IP 42 as required.	Each	459881.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
23	Restroom cubicle system. MODEL TYPE - TITAN SS SERIES Thickness of Compact Laminate : 12 mm Color of HPL Boards : Single Color Size of Cubicle : As per drawing (W) & (D) × 1980mm (H) Door size : 1750mm (H) × 610mm (W) Overall Height of Cubicle : 1980mm (Including bottom Gap of 150mm) Accessories : Standard - Merino Make Stainless Steel - 304 Grade accessories) (a) SS "U" Channel (b) SS " F" channel (c) SS Top Rail (d) SS Coat Hook (e) SS Privacy Thumb turn c/w Occupancy Indicator (f) SS Door Knob (g) Ss Hinges with Cover (h) SS Adjustable Foot - 316 Grade (i) Rubber Lining for Groove (j) SS Screws 304 G & P.V.C. Wall Plugs	Sqm.	28736.00
24	Providing and Fixing of (G.R.C) Embossed Panel in approved pattern with Following size & thickness. GRC member finish with all fittings & Fixed in tubular Pipe Size 50 x 50 x 4 mm with help of fastner and applying a priming coat of red oxide zinc chromate primer in all steel structure in all level Lift and lead including scaffolding. etc complete and approved by Engineer-in-Charge.		
24.1	GRC Embossed Panel - 900mm x 900mm Thickness 50mm(In Feature Wall)	Nos	7345.00
24.2	G.R.C Big Arch in size 2100mm x 750mm Thickness 50mm. (In Feature Wall)	Nos	12863.00
24.3	GRC Inner ARC - 575mm x 225mm Thickness 150mm (In Feature Wall)	Nos	8694.00
24.4	GRC Inner Arch -2680mm x 1650mm Thickness 300mm (In Canopy)	Nos	49302.00
24.5	GRC Moulding -2680mmx1650mm, Thickness 300mm (In Canopy)	Rmt	8076.00
24.6	GRC Window Set With size 900mm x 900mm Thickness 50mm (In Feature Wall)	Nos	18811.00
24.7	GRC Big Arc Size – Width - 5170 mm X Height - 2740 mm X Depth – 150 mm (In Archway)	Nos	90200.00
24.8	GRC Small Arc Size – Width - 3500 mm X Height - 1975 mm X Depth – 150 mm (In Archway)	Nos	64439.00
24.9	GRC INNER ARC Size – Width - 3000 mm X Height - 1210 mm X Depth – 150 mm (In Archway)	Nos	35476.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
25	Labour only for filling empty cement bags with sand including stitching with sutli and stacking.	Each	9.35
26	Providing and fixing SIDE DRAIN GRATING made of AISI 304 SS finish grating thickness 1.2mm and frame thickness 0.8 mm size 460x105x83mm with necessities cutting and required finish to floor wherever required. (Make NIRALI MODEL NAME CLANZO RANGE)	Each	5653.00
27	Providing and fixing SIDE DRAIN GRATING made of AISI 304 SS finish grating thickness 1.2mm and frame thickness 0.8 mm size 460x105x83mm with necessities cutting and required finish to floor wherever required.	Each	5834.00
28	Providing and fixing SQUARE DRAIN GRATING made of C.P. brass nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) thickness 1.2mm and frame thickness 0.8mm size 100x100x38mm with center frame including necessities cutting and required finish to floor wherever required.	Each	2496.00
29	Supplying and fixing dray cladding system with HPL from M/S Fundermax , Stylam Industries Ltd.(Fascia)or with Century Exterior HPL Exteria -high- quality exterior grade decorative cladding for balconies and building facades with non corrosive rivets. The material should confirm to EN 438-6 type EDF (resistance against extreme climatic conditions and UV) and rates of fixing ,includes base frame which consist of aluminium frame size 25mmX50mm , fixed in grid size 600mm c/c with necessary powder coated bolts, caps etc, complete.	Sqm.	5607.00
30	Supplying and fixing in position at the location as shown in the drawings or as directed by Engineer Incharge following type of satin finish stainless steel signages 316 Grade with counter sunk S.S.316 grade Screws complete.		
(i)	S.S.316 Grade Sign Plate of 120 X 120 X 1.5 mm - for direction and Disabled signages etc.	Each	741.00
(ii)	S.S.316 Grade Sign Plate of 120 X 120 X 1.5 mm - for male&/female, Fire, Pull ,Fire Exit signages etc.	Each	865.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
31	Providing and fixing of vendor- 65/400 OR 50/429 Self Supported Secret Fix Aluminum STANDING SEAM ROOFING SYSTEM in 0.9 mm thick in AA-5052 Aluminium Alloy comprising of the following layers : 1. Top Layer - The topmost profiled sheeting of Aluminium Kingspan 65/400 self supported standing seam roof system manufactured from aluminium alloy AlMnMg1 Quality AA 5052, in accordance with B209M/ BS-EN-485-2:1995 minimum material thickness of 0.90 mm and 60 Micron Durabond finish /60 Micron PVDF finish in accordance with BS-EN-1396: 2007 finish including Accessories. Original make of aluminum coil to be Gramco, Bahraun/Euramax, E.U/Hulemin, South Africa, and material test certificate (MTC) to be submitted. The support halter shall be manufactured from extruded aluminium alloy 6082 T6 in accordance with BSEN 755 part 2. Each aluminium halter shall be coupled with a 6mm thick black polyamide thermal barrier base pad. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm², 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm². Sheets are to be laid in Single Length to meet the requirements of the building geometry and fixed on Aluminum Clip/Halter and which is fixed to purlin through Bottom sheet with screws. (Color as per architect choice) Approved Make: KINGSPAN / BEMO / SANKYO / VIJAYNATH Please note: Detail structural load calculation report to be submitted by the manufacturer based on wind load as per IS 875 and screw pull out force. 2. Insulation Layer - Rockwool Insulation of 150 mm thickness x minimum 60kg/m³ density. K-value 0.037 W/mK as per standard ASTM C-518. Fire classification as per BS 476: Part 6&7 / EN-1350-1 / UL-273.1) Thermal Transmittance (U-value) to be 0.35 W/m².K including all losses and calculation to be submitted in accordance with BS EN ISO 6946 and shall take account of the thermal bridging effects of any fixing elements.		
	2) Sound Transmission Class (STC) to be 38±3. Calculation of STC to be submitted by the manufacturer when tested to ASTM E 90 -97. 3. Vapour Control Layer – Double sided aluminium foil of minimum thickness 0.15mm. 4. Bottom Sheet – Supply & Fixing of Colour coated Galvalume profile sheet of 1000-1050 mm effective cover width and 28-35 mm height ribs with subtle square fluting in the five pan at 200-250 mm centre-to-centre. The feed material is manufactured out of nominal 0.50 mm Total Coated Thickness (TMT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% Aluminium, 45% Zinc) as per AS 1397 - Zinalume AZ150 (Min. 150 gms/sq.mt total on both sides) Fixed to the purlins with self drilling screws at 500mm spacing. Note: 1. Purlin spacing should be Maximum 1.4 m C/C & Purlin to be provided by the client. 2. MS structure/Frame work separate	Sqm.	6366.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
32	Supply and Fixing of 0.90 mm thick Aluminium Flashing (Specification same as above) maximum girth of 578 mm.	Sqm.	1623.00
33	Providing & Fixing of roman blinds of 450-600 gsm thick fabric curtains, Polyester Based embossed fabric with 280 gsm (+/-5%) thickness stiched with black out fabric of 270 gsm (+/-5%), Blinds are hung on wall using aluminium finished tracks (branded) as pre Specifications	Each	12846.00
34	Providing FLEXIBLE VACUUM HOSE dia 40mm and 30 M in Length Manufactured of UV resistant and long lasting plastics. (Supply should be Packing in tearproof PE bags.	Each	7480.00

SPECIALIZED ITEM - ROOFING AND CEILING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Providing and fixing of cement bonded partical board as per IS 4276:1995 for wall pannelling partition or in flase ceiling work on wooden of other frame work with necessary nails/screw completed inclusive of all labour etc. complete		
a	16mm Thick	Sqm.	910.00
b	12mm Thick	Sqm.	712.00
c	8mm Thick	Sqm.	476.00
2	Providing and installation of Acoustical wall/ truss panelling fabric finish hardened square edge (Colour As approved By Engineer-in-charge) wrapped soft fibre core (glass fibre) panel of size 600x2100x25 mm density 100-120 Kg/Cum, weight 3.0 kg/Sq m NRC upto 0.9 installed by using impaling clips. Impaling clips are attached directly to the wall/Truss Frame work with the points extrudings outward. Then Panels shall positioned and pressed into place.	Sqm	6431.00
3	Providing and installation of Acoustical Wall panelling wood finish slats Upto 2400 mm height made out of HDF board, Malamine/ Veneer laminate finish, perforated wooden graaved slats (2mm groves @ 8mm centers) / (2mm grooves @32 mm centers)/ (2mm grooves @ 64 mm centers), backlined with black acoustical fleece, tounge grooved edge for a seamless look, FR grade of lineal dimension size 128mmx 2440 mm x 16mm thick having density 1000kg/ Cum, weight 12.8 kg/Sqm installed by using GI strut system. The GI strut system includes GI cross channel having thickness of 0.45mm, length 3600 mm, knurllled web 40mm, depth 10mm and equal flanges 15mm is fastened vertically/ Horizontally at every 600 mm centers. Aluminium core cross channel having thickness 0.5mm, Length 2400 mm, web 15mm and 27mm, Depth 18mm and flanges of 7mm with suitable edge and center brackets is then fixed perpendicular to cross channel with the help of fasteners at every 400mm centers. Contractor to provide expansion joints of 3mm at every 5mts bothways.	Sqm	4402.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
4	Providing and installation of Acoustical Wall panelling above 2400 mm height of stretch NRC by using FR grade NRC fabric of size 1700mm width, shall be stretched by using wooden base 10mm thick, rigid vinyl stretch Tracks half wrap/ Full wrap 25mm and midseam 25mm, strand, synth PF with requisite accessories and tools. Woodenbase 10mm is first installed on the wall along the marking lines with metal fasteners at 300 mm centers, track to be installed on wooden base, by using base tape (by removing the protective cover) for a true and continuous secure grip, and heavy duty fasteners at 15mm centers on both sides of the stretch tracks. Strand square edge magnetic bonded wood fibre panels of size 600 x 1200 x 15 mm having density 400kg/ Cum, weight 4-8 Kg which is fixed to wall. Synth PF 10 x10 mm thick adhered on strand panel by using stick 7 adhesive. Fabric of width 1700 mm is then aligned to the stretch tracks by following the fabric thread linear pattern. The fabric is stuck on the align tape (By removing the protective cover) at the same time as being stretched and tucked into the stretch tracks and secure into the locking jaws so that it will be smooth, free of wrinkles with the tucking tools. Note minimum 50mm additional fabric is required for tucking hence maximum module width would be 1600mm.	Sqm	2846.00
5	Providing & fixing of Mineral fibre Acoustical Suspended Ceiling System with 16mm thick microlook edge tiles of size 595x595 mm as approved by Engineer-In-Charge, in true Horizontal Level Suspended on interlocking metal grid of hot dipped galvanised steel sections (galvanised @120 gsm/sqm, both side inclusive) consisting of main "T" Runner with suitably spaced joints to get required length and of size 15x38 mm made from 0.30 thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25 mm made of 0.30 thick (minimum) sheet, 1200 mm long spaced between main "T" at 600mm center to center to form grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.30 mm and laying false ceiling tiles of approved texture in the grid, wherever required, cutting/making, opening for services like diffusers, grills, light fitting, fixtures, smoke detectors etc. Main "T" runner to be suspended from ceiling using GI slootted cleats of size 27x37x25x1.6mm fixed to ceiling with 12.5mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85x30x0.8 mm spaced at 1200mm center to center along main "T", bottom exposed width of 24mm of all "T" sections shall be pre-painted with polyester paint, all complete for all heights as per specification drawings or as directed by Engineer-In-Charge. The tiles should have Humidity resistance (RH) of 99%, NRC 0.5, Light Reflectance >83%, Thermal Conductivity K=0.052-0.57w/mk, colour white, fire performance UK class 0/Class 1 (BS 476 pt-6 and 7) in module size of 600x600x16 mm with Bio Block coating on the face of the tile, suitable for green Building Application, with recycled content of 38-41%. The tile and grid system used together should carry a 15 year warranty.	Sqm	1708.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
6	Providing and installation of Acoustical fabric black colour FR (Fire Re-gistance) grade fabric stitched properly in size 1200mm x 1200 mm to from a proper circumference to catwalk and using 6 nos clips in every square meter area attached directly to the Truss Frame and properly tightened with rib strings attached to fabric with points extruding out ward or as directed by Engineer In Charge.	Sqm	694.00
7	MAIN FALSE CEILING Providing and fixing curved false ceiling at more than 14 mts. height consisting of frame work of M.S.angle section 35x35x5mm (tata make or equivalent) 500mm center to center fixed to truss with suitable size clamps, screws etc. Another section of M.S. hollow section 32mmx32mmx3.2mm (tata make or equivalent) conforming to I.S. 4923 at 500mm center to center curved in required shape suspended with 10mm dia , MS rod, 6 Nos. per panel size 2400mmx1200mm flexy ply (Green ply, Century make or equivalent) at required length fixed with screws 600 c/c at every junction, including fixing the curved flexy 8mm thick ply (green ply, century make or equivalent) with 4mm thick vineer pasted/ glued, 12mmx5mm teakwood bead all around curved ply at edges. P.U. coating on exposed / front surface and internal side to be painted with enamel paint after primer and steel putty with edges properly sealed with polyurethane coating ,as required with 25mm long drive. All screws at 230mm interval including making of opening for light fitting, grill, diffuser, cutouts made with frame of sutaible channel suitably fixed with all complete as per drgs. M.S. frame work to be paid seperately (Total operation to be done as per drawing design and direction of Engineer-in-charge)	sqm	3209.00
8	ACCOUSTICAL PANEL SOUND REFLECTOR (FIRE RETARDANT) Part-B: Supply and Installation of wooden panel high density particle board made out of pine wood with melamine laminated facing)FR - grade, LF absorber, HF reflector - 18mm thick. panels of size 600x1200x18mm having density 800Kgs/m3, weight 9.6kg/m2 installed by using GI 2 layers of strut which is installed perpendicular to each other and Z bars framework system. The GI strut systems includes having thickness 0.45mm, length 3600mm, knurled web 40, depth 10mm and equal flanges 15mm is fastened to wall positioned. Both Horizontal/vertically in a regular manner at 600mm c/c.GI Z bars having 40mm height, thickness 1.2mm is first fixed behind the panels at 500mm centres by using suitable fasteners. Clean exposed surfaces of wall and ensure walls are in plumb line before installing GI Strut on wall. Salon SonatorFR -grade panels are then slided into the Z bars fixed on wall to match the Z-bars fixed on panels.	Sqm	2668.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
9	UNDERDECK INSULATION: Providing and fixing resin bonded glass wool of 32kg/50mm density just beaneath the roofing sheets at all hight.The fibre glass wool to be covered in polythene tubing of not more than 15 microns from exposed end & cross tied to the purlins of the trusses.The entire glasswool along with polythene tubing to be covered with wire mesh of size 2"x2" from below with proper tying with trusses including labour cost etc complete.	Sqm.	710.00
10	ABSORB WOOL FOR ACCOUSTICAL TREATMENT TO AHU ROOMS Providing & pasting of absorb wool of 50mm thick & density 1000 gsm in between the slab & false ceiling. To be placed under the false ceiling at any height.	Sqm.	572.00
11	CALCIUM SILICATE PANELING IN AHU ROOMS Wall Paneling : Providing & fixing of wall paneling which consists of GI section(studs) 50mm x 50mm fixed in to floor & ceiling C channel to be fixed at 3" gap from wall .On that framework 12mm thick hilux calcium silicate board is to be fixed with tec-sound membrane 5mm or M a d membrane 4mm thick on inner side of the board. On the above said board another layer of hilux 12mm boards to be fixed in staggered fashion.Then exposed joints are to be sealed with special jointing compound & fibre tape to give smooth seamless finish . Glass fibre wool of 48kg density 50mm thick wrapped in polythene tubing of 15mcirons to be fixed on wall with help of screws.	Sqm.	2819.00
12	TEC-SOUND INSULATION FOR AHU ROOMS Providing & fixing of Tec-sound 5mm or M a d 4mm thick membrane to be fixed to the soffit of the slab with screws ,rawl plugs etc complete.	Sqm.	1574.00
13	WALL INSULATION Providing and Fixing of the acoustic treatment on the walls consisting of 48mm floor & studd channel (with flanges of 32 mm & 0.55mm thick) fixed to floor/RCC. Further placing 48mm studs (with flanges of 36 & 34 mm and 0.55mm thick) @ 610 mm C/c both ways. The framework to be filed with 50 mm thick 32 Kg/m3 density glasswool faced with tissue paper. Finally fixing GI chicken mesh of 26 SWG x 15mm to hold it in position. The framework to be held in position with GI cleats & anchor fasteners Hilti Fischer of suitable size as per drawing with 50mm air gap between wall and stud/chenel frame.	Sqm.	1196.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
14	ACCOUSTICAL DOOR Providing and fixing Acoustical Sandwiched Doors of size from First class teakwood frame of finished size 225mm x 80 mm and 66mm thick finished shutters consisting of 100x42mm teakwood style, top and lock rail 125x42 and bottom rail, 150x42mm, and intermediate 25mmx42mm Teak wood horizontal members, with 8mm thick BWP 710 grade ply on both sides and 4mm thick natural veneer (BWP grade) with grooves on one side (Green ply Century make or equivalent). 50mm thick core of Glass wool slab (24 kg density) 16g Fiber glass tissue paper sandwiched inside and 25mm thick 32 density kurlon make foam with 1 mm thick leatherite, stitched in rombus shape on inside. Heavy duty stainless steel hinges (152mmx76mmx3mm) 316 grade with bearings with Pin and cap, 300mm tower bolts ss 304 grade, 450mm heavy handle ss 316 grade, 350mm heavy duty Aldrops ss 316 grade, heavy door stoppers (zinc), rubber buffers, concealed hydraulic door closer aluminum extruded wt. up to 90 kgs, (Ozone or Yale make) as per drawing schedule of fitting and fixtures of (kich, Godrej make or equivalent). All around edge Teak wood bead 70mm x 12mm thick, including finishing the over all surface with thinner polish spray and P.U. coating etc, complete to the satisfaction of Engineer in Charge.	No.	15306.00
15	Proving & fixing of Glass Fiber Acoustical Suspended Ceiling System with 16mm thick Microlook edge tiles of size 595×595mm as approved by Engineer-in-charge, in true horizontal level suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 gsm/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 15×38mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24×25mm made of 0.30mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600mm center to center to form a grid of 1200×600 mm and secondary cross "T" of length 600mm and size 24×25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200×600mm panel to form grids of 600×600mm and wall angle of size 24×24×0.3 mm and laying false ceiling tiles of approved texture in the grid including, wherever, required, cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27×37×25×1.6 × mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85×30×0.8 mm spaced at 1200mm center to center along main T, bottom exposed width of 24mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications drawings and as directed by Engineer-in-charge. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.5, Light Reflectance > 83%, Thermal Conductivity K = 0.052-0.057 w/mk, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 and 7) in module size of 600 × 600 × 16mm with Bio Block coating on the face of the tile, suitable for Green Building application, with Recycled content of 38 - 41%. The Tile and Grid system used together should carry a 15 year warranty.	Sqm.	2208.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
16	Providing and installation of acoustic wall panelling Consisting so Soak Coard of selected colours as approved by Engineer in charge. Kerf edge Fabric wrapped wood fiber panels of size 600×2400×20mm having density 400Kgs/m³, weinght 4-20kg/m² installed by using GI strut system. The GI strut works includes Cross channel having thickness 0.45mm, lenght 3600mm, knurled web 50 , depth 50mm and equal flanges of 13mm is fastened to Wall positioned horizontally in regular manner at 600mm centers. PVC Vinyl core UV treated H-Spline having thickness 2mm and length 2400mm to be fixed perpendicular to the Cross channels at 600mm centers. Kerfed edge Fabric wrapped panels shall be then inserted into the H-spline against wall to perfect fit.	Sqm.	3159.00
17	Providing and fixing 15 mm thick fully perforated calcium silicate board false ceiling of approved materials of size 595×595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/sqm, both side inclusive) consistingof main "T" runner with suitably spaced joints to get required length and of size 24×38 mm made from 0.30 m tick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24×25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to from a grid 1200×600 mm and secondary cross "T" of length 600 mm and size 24×25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200×600 mm panel to form grids of 600×600 mm and wall angle of size 4×240.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 24 × 37 × 25 × 1.6 mm fixed to ceilin with 12.5 mm dia and 50 m long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 × 30 × 0.8 mm spaced a 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.	Sqm	1661.00
18	Providing and fixing of 15 mm thick acralic sheet in ms angle frame ISA size 60×60×6 mm with horizontal and Vertical support T-Section ISNT-60 i/c cost of steel (angle frame, T- Section), 15 mm thick Acralic sheet.MS strip, Fastener 12 mm dia & 125 mm long , SS nut bolt 8 mm Dia & 50 mm long with washer, BSB Tap 3 mm thick, silikon sealant white etc. and Other material labour required Up to height of 0-62.50 mtr. over Jaitkham lift but excluding staggering work.	Sqm	17722.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
19	Fixing of 15 mm thick acralic sheet in MS angle ISA 6060 size 60×60×6 mm with horizontal & Vertical Support T- section ISNT-60 i/c cost of steel (angle frame, T- Section), MS strip, Fastener 12 mm dia & 125 mm long , SS nut bolt 8 mm Dia & 50 mm long with washer, BSB Tap 3 mm thick, silicon sealant white etc. and Other material labour required Up to height of 0-62.50 mtr. over Jaitkham lift excluding cost of acralic sheet and staggering work.	Sqm	4041.00
20	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, cation and direction of the Engineer in Charge but excluding the cost of painting, it 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.		

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
20.1	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	Sqm.	1119.00
21	Providing and fixing at the locations shown in the drawings false ceiling system equivalent to Ecophon FOCUS LP - Linear profile grids system for highlighting direction in a room with 20 mm thick tiles , easily demountable , option of daily dusting & vacuum cleaning, weekly wet wiping , manufactured from High density glass wool utilizing 3RD technology with the visible surface has an Akutex FT coating and the back of the tile covered with glass tissue . 85% light reflectance (of which 99% is diffuse reflection). Tiles should be classified under absorption class A with "alpha w " value of 0.9 at minimum 75mm O.D.S. The system should have Sound Absorption NRC value of 0.9 (according to EN ISO 11654). Tiles should withstand a permanent ambient RH up to 95% at 30 * C without sagging , warping or delaminating (ISO 4611). Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association. Granted the Nordic Swan eco-label. Fully recyclable. The glass wool core of the tiles should be tested and classified as noncombustible according to EN ISO 1182 with reaction to fire classification class A2 s1 d0 according to EN 13501 - 1 - European Standard. Systems are classified as fire protective covering according to NT FIRE 003. Rate shall be inclusive of all labour ,material ,T&P including staging and scaffolding complete for sizes 600x300 /600x 600 /1200x 300 or 1200x 600 mm	Sqm.	6071.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
22	Providing and fixing at the locations shown in the drawings wall panel system equivalent to Ecophon Wall Panels A Akutex FT ,using wooden batten (Local) of 28mm Thick and 1.5 inch width as per wall panel size and then take the gripper (PVC) & wooden batten and nail them in the wall. Then cut the wall panel from the back side (Just a little bit) and make the groove .Nail the wood batten and gripper(PVC) in the wall and make it 40mm.Apply SR998/ Moccudal SF 200 and paste the wall panel. Tag the fabric in the gripper (PVC) as per design. Ecophon WALL PANEL A Akutex FT 1200 x 2700 mm with 40 mm natural square edge, demountable panels with standard approved fabric wrapped around in concealed system with grippers, option of Daily dusting, vacuum cleaning. Panel is manufactured from high density glass wool utilizing the 3RD technology. Tiles classified under absorption class A with "alpha w " value of 0.9 at minimum 40mm O.D.S.. Classification according to EN ISO 11654, & single value ratings for NRC value 0.9 & SAA according to ASTM C 423. Panels withstand a permanent ambient RH up to 95% at 30°C & RH upto 75% at 30°C without sagging, warping or delaminating (EN13964). Certified by the Indoor Climate labeling, emission class M1 for building materials & recommended by Swedish Asthma & Allergy Association. Granted The Nordic Swan eco-label. Fully recyclable. The glass wool core of the tiles should be tested and classified as noncombustible according to EN ISO 1182 with reaction to fire classification class A2 s1 d0 according to EN 13501 - 1 - European Standard. Rate shall be inclusive of all labour ,material ,T&P including staging and scaffolding complete .	Sqm.	7878.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
23	Providing and fixing of vendor- 65/400 OR 50/429 Self Supported Secret Fix Aluminum STANDING SEAM ROOFING SYSTEM in 0.9 mm thick in AA-5052 Aluminium Alloy comprising of the following layers : 1. Top Layer - The topmost profiled sheeting of Aluminium Kingspan 65/400 self supported standing seam roof system manufactured from aluminium alloy AlMnMg1 Quality AA 5052, in accordance with B209M/ BS-EN-485-2:1995 minimum material thickness of 0.90 mm and 60 Micron Durabond finish /60 Micron PVDF finish in accordance with BS-EN-1396: 2007 finish including Accessories. Original make of aluminum coil to be Gramco, Bahraun/Euramax, E.U/Hulemin, South Africa, and material test certificate (MTC) to be submitted. The support halter shall be manufactured from extruded aluminium alloy 6082 T6 in accordance with BSEN 755 part 2. Each aluminium halter shall be coupled with a 6mm thick black polyamide thermal barrier base pad. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm², 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm². Sheets are to be laid in Single Length to meet the requirements of the building geometry and fixed on Aluminum Clip/ Halter and which is fixed to purlin through Bottom sheet with screws. (Color as per architect choice) Aproved Make: KINGSPAN / BEMO / SANKYO / VIJAYNATH Please note: Detail structural load calculation report to be submitted by the manufacturer based on wind load as per IS 875 and screw pull out force.		
	2. Insulation Layer - Rockwool Insulation of 150 mm thickness x minimum 60kg/m³ density. K-value 0.037 W/mK as per standard ASTM C-518. Fire classification as per BS 476: Part 6&7 / EN-1350-1 / UL-273. 1) Thermal Transmittance (U-value) to be 0.35 W/m².K including all losses and calculation to be submitted in accordance with BS EN ISO 6946 and shall take account of the thermal bridging effects of any fixing elements. 2) Sound Transmission Class (STC) to be 38±3. Calculation of STC to be submitted by the manufacturer when tested to ASTM E 90 -97. 3. Vapour Control Layer – Double sided aluminium foil of minimum thickness 0.15mm. 4. Bottom Sheet – Supply & Fixing of Colour coated Galvalume profile sheet of 1000-1050 mm effective cover width and 28-35 mm height ribs with subtle square fluting in the five pan at 200-250 mm centre-to-centre. The feed material is manufactured out of nominal 0.50 mm Total Coated Thickness (TMT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% Aluminium, 45% Zinc) as per AS 1397 - Zinalume AZ150 (Min. 150 gms/sq.mt total on both sides) Fixed to the purlins with self drilling screws at 500mm spacing. Note: 1. Purlin spacing should be Maximum 1.4 m C/C & Purlin to be provided by the client 2. MS structure/Frame work separate	Sqm.	6366.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
24	Supply and Fixing of 0.90 mm thick Aluminium Flashing (Specification same as above) maximum girth of 578 mm.	Sqm.	1623.00
25	Design, supply and fixing of KINGSPAN/ KALZIP or equivalent Providing and fixing of vendor- 65/400 OR 50/429 Self Supported Secret Fix Aluminum STANDING SEAM ROOFING SYSTEM in 0.9 mm thick in AA-5052/AA 3004 Aluminium Alloy: 1.Top Layer - The topmost profiled sheeting of Aluminium Kalzip/ Kingspan 65/400 OR 50/429 self supported standing seam roof system manufactured from aluminium alloy AlMnMg1 Quality AA 5052/AA 3004 , in accordance with B209M/ BS-EN-485-2:1995 minimum material thickness of 0.90 mm and 60 micron Durabond finish / PVDF2 finish in accordance with BS-EN-1396: 2007 finish including Accessories. Original make of aluminum coil to be Gramco,Bahrain/Euramax,E.U/ELVAL, GREECE and material test certificate (MTC) to be submitted. The support halter shall be manufactured from extruded aluminium alloy 6082 T6 in accordance with BSEN 755 part 2. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm², 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm². Sheets are to be laid in Single Length to meet the requirements of the building geometry and fixed on Aluminum Clip/ Halter and which is fixed to purlin through Bottom sheet with screws. (Color as per architect choice) Please note: Detail structural load calculation report to be submitted by the manufacturer based on wind load as per IS 875 and screw pull out force. Aproved Make : KINGSPAN / BEMO / SANKYO / KALZIP	Sqm.	4743.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
26	The topmost profiled sheeting of Aluminium Kalzip/ Kingspan 50/429 self supported standing seam roof system manufactured from aluminium alloy AlMnMg1 Quality AA 5052/AA 3004 , in accordance with B209M/ BS-EN-485-2:1995 minimum material thickness of 0.90 mm and 60 micron Durabond finish / PVDF2 finish in accordance with BS-EN-1396: 2007 finish including Accessories. Original make of aluminum coil to be Gramco,Bahrain/Euramax,E.U/ELVAL, GREECE and material test certificate (MTC) to be submitted. The support halters shall be manufactured from extruded aluminium alloy 6082 T6 in accordance with BSEN 755 part 2. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm², 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm². Sheets are to be laid in Single Length to meet the requirements of the building geometry and fixed on Aluminum Clip/ Halter and which is fixed to purlin through Bottom sheet with screws. (Color as per architect choice) Please note: Detail structural load calculation report to be submitted by the manufacturer based on wind load as per IS 875 and screw pull out force. Aproved Make : KINGSPAN / BEMO / SANKYO / KALZIP	Sqm.	5617.00
27	The topmost profiled sheeting of Aluminium Kalzip/ Kingspan 50/429 self supported standing seam roof system manufactured from aluminium alloy AlMnMg1 Quality AA 5052/AA 3004 , in accordance with B209M/ BS-EN-485-2:1995 minimum material thickness of 0.90 mm and 60 micron Durabond finish / PVDF2 finish in accordance with BS-EN-1396: 2007 finish including Accessories. Original make of aluminum coil to be Gramco,Bahrain/Euramax,E.U/ELVAL, GREECE and material test certificate (MTC) to be submitted. The support halters shall be manufactured from extruded aluminium alloy 6082 T6 in accordance with BSEN 755 part 2. The material properties shall be as follows: Ultimate tensile strength: minimum 200 N/mm², 0.2% Proof Stress: min 185 N/mm², Modulus of elasticity: 70,000 N/mm². Sheets are to be laid in Single Length to meet the requirements of the building geometry and fixed on Aluminum Clip/ Halter and which is fixed to purlin through Bottom sheet with screws. (Color as per architect choice) Please note: Detail structural load calculation report to be submitted by the manufacturer based on wind load as per IS 875 and screw pull out force. Aproved Make : KINGSPAN / BEMO / SANKYO / KALZIP Extra over above item for supplying and fixing smoke seal made up of 64 Kg / Cu.mt Rock Wool - 100mm High, in between two floors and covered with Top & Bottom GI sheet of 1mm thk and sealed etc.	RM	1124.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
28	Providing and fixing of 8 mm thick Armstrong AMBIENCE PLUS Laminated wooden flooring, classification of use 32/23 with a surface abrasion resistance of class AC4 (average 4500 cycles), impact resistance of Class IC2, resistance to cigarette burn with a rating of 5(EN 438-2:05), swelling after 24 hrs in warm water is less than 12%, Modulus of rupture of 53.3 newton/mm², Internal bond 1.78 newton/mm², surface soundness 1.01 newton/mm²(EN 13329:2000) with a 0.2 mm thick wear layer on top of a High Density Fiber substrate core (density ~ 948.3 Kgs/M³) of plank size 1214 mm X 192 mm & 1286 x 192mm having Unilin locking arrangement (lock strength > 670 lbs/ft). Underlayment for laminate flooring made of Armstrong natural color foam. Armstrong laminate flooring comes with square edge and accessories like end profile, transition profile, reducer, stair nosing and T profile. The laminate shall have Unilin locking system. It is recommended to use a water barrier of minimum of 250 microns and 2mm polyethylene foam under the planks. The installation shall be undertaken as per the manufacturer's installation instructions and as directed by Enginner-in-charge.	Sqm.	1477.00
29	Providing and fixing acoustical wall paneling using Knauf Danoline make Design panel of size 2400mmx900mmx12.5mm thick as per the specification - High grade, glass fibre reinforced acoustic gypsum boards with CLENEO technology & acoustic perforation Tangent T3L1- 4mmx14mm oval perforation, 20mm/10mm c/c with 15.8% open area. The Acoustic Designpanel will be furnished with a grey (white) absorbent felt backing with an airflow resistance of 330-460 Ns/m³ (DIN 53887) Full perforated – A2-s1,d0 (C1) Fixing :- DesignPanel acoustic gypsum boards shall be installed by screw fixing integrated in gypsum ceiling systems and drywall structures on standard 25 mm furring channels fixed on main profiles. It should also have 50mm thick glasswool backing with 48kg/m³ density. The acoustic Designpanels are with four sides tapered edges for easy joint filling, and shall be painted on site with standard emulsion paint using short piled paint rollers. As approved by Architect and as specified by manufacturer. Core :- High grade, Glass Fibre Reinforced Gypsum , Size :- 2400 X 900mm, Thickness :- 12.5mm, Fire rating :- Class 1 ; K1 10, B-s, d0 can be used in a BD 30 construction, Fire Class :- B-s 1, d0, Realtive Humidity :- The product is designed to perform under normal conditions of use. Tested at 90% RH and 30 DegC. The product can withstand ambientp temperatures of up to 50DegC., NRC : - Tangent-0.65. (Basic Rate :- 1776/SMT.) (LOCATION: CRY ROOM/SOUND ROOM/STAGE/MULTI-PURPOSE HALL)	Sqm.	3777.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
30	Providing and Fixing coustom design wall paper made of non woven matt wallpaper latex saturated 30% and recycled 70% celfulose fibers and weight of 550 GSM pasted to wall with heavy duty rapid setting paste adhesive with seamless joints to each other an cleaning the surface cpmet.	Sqm	1538.00
31	Providing and fixing Chhattisgarh government backlit logo finished in acrylic. The entire frame of the signage is made from ACRYLIC by cutting it utilising 3d CNC machine with a 3mm bead for better finished edge and smooth surface. A 120 bulbled strip is applied on the base of the signage with adhesive and the base is framed with a 45-60mm curved acrylic frame of 4mm ACP for support. The C.G. logo is printed on vinyl and then applied on acrylic for making it backlit. All the items are assembled with adhesive and hung on wall using hook applied on back of the ACP All as per specification.	Each	8223.00
32	Providing and fixing 50 mm thick Twiga fiberglass wool, density 24 kg/m ³ , wrapped in 200G virgin polyethylene bags, fixed to ceiling with metallic cleats (50x50x3 mm) @ 600 mm c/c and 12.5 mm x 24 gauge GI wire mesh, complete for thermal insulation under deck as per direction of Engineer-in Charge. in all height	Sqm	1021.00
33	Providing and fixing acoustic wall panelling with fabric wrapped fibre panels (600x2400x20 mm, density 400 kg/m ³ , weight 4.12 kg/m ²) with kerf edge. Panels fixed on GI strut system comprising cross channels (0.45 mm thick, 50x50 mm) @ 600 mm c/c with UV treated PVC vinyl H-splines (2 mm thick, 2400 mm long), complete in approved colour. in all height	Sqm	5152.00
34	Providing and fixing Decorative type wallpaper made of Non woven matt finish wallpaper Latex saturated 30% and recycled 70% cellulose fibres and weught of 350 GSM pasted to wall with heavy duty rapid setting paste adhesive with seamless joints to each other and cleaning the surface complete.	Sqm	1786.00
35	Providing and forming decorative/coves/flush bands (100 to 200mm wide & 100 to 200mm deep) and grooves in false ceiling using 12.5 mm thick gypsum board (IS:2095 Part-1), cut and shaped as per approved design. Boards shall be fixed over the existing ceiling framework with drywall screws, and grooves formed using V-cut or stepped cutting techniques. All joints and cuts to be finished with jointing tape and three coats of joint compound. Surface to be sanded smooth, ready for painting.Includes all materials, cutting, fixing, finishing, and necessary supports for bands/grooves.	Metre	983.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
36	For terraces over pre layed PUF insulation : Providing and laying roof insulation with 60 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/ cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, Waterproofing shall be spray applied directly above PUF insulation (as per specifications, Payable extra) protection of waterproofing shall be done using 400 G polythene sheet and providing a wearing course with average 75 mm thick cement screed 1: 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.	Sqm.	1390.00
37	Providing and fixing PVC panels false ceiling of approved colour, Texture and 12mm thick size of panels 300mm wide X 3500mm long. The panels are light weight, termite, rust proof and anti bacterial in nature and also water proof, fire retardent and maintenance free in nature, but excluding the cost of frame.	Sqm.	4449.00

SPECIALIZED ITEM - FLOORING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	INSTALLATION & FINISHING OF AIR-CUSH WOODEN SPORTS FLOORING SYSTEM (VOLLEYBALL/T.Tennis/squash Court) WITH WARRANTY PERIOD FOR 5 YEARS FOR MATERIAL AND INSTALLATION APPLICATION. The SURFACE BOARD: Kiln seasoned imported Maple Wood (sycamore) surface board finished with 21 mm thick, 50-110 mm width 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. THE UNDER FRAME: made of commercial quality fir/spruce/pine wood runners of 90/70 mmx45 mm treated with anti-termite solution and fixed on the bottom side with 18 mm thick air cushioning pads by nails through the two wings at 350 mm c/c. THE INSTALLATION: a vapour barrier of 6 mm (600 micron) thick will be placed on the levelled IPS sub-floor before laying the under frame. The runners having air cell cushioning pads will be placed on the vapour barrier in perfect level at 350 mm c/c in on direction. The surface boards will be screwed to the runners through the tongue only and will lock the screwed tonge by the groove of the adjoining boards. The ends of the boards will be locked by inserting the wooden fingers through the edge grooves and fixed with suitable adhesive. An expansion gap of 8 to 10 mm will be left open between the wooden flooring and the surrounding tiled area/wall. THE FINISHING: after installation the floor will be machine sanded in uniform level and finished with Imported Non-skid Din Certified polyurethine lacquer. Game Line marking will be carried out in required colors before applying the finish coat. MATERIAL. (1) The timber used for surface boards will be imported maple. (2) The varying color of the wood due to its natural characterstics will not be considered as a defect. (3) All timber will be free from loose knots, bee or borer holes splits, cracks and fungal attack. (4) All timber will be kiln seasoned with moisture content of app. 12%.	sqm	5504.00
2	GAME LINE MARKING : under the wooden floor polishing in suitable colour as per international sport standard using synthetic enamel paint which is in sandwich system with sand papering and primer to exposed surface.	Each court	10030.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
3	STAGE FLOORING Providing and laying at the site 8mm thick PERGO, Kahrs, Inter tex, laminated wooden floor or approved equivalent (Class of use 23 (31), AC-5 as per en 13329) with top of specially development substract core of plank size 1288mm x 196mm having SMART look tongue and groove construction with edges duly impregnated to secure long lasting joints secured together conforms to EN 13329. The underlay has to be a 1.8mm thick ALKALI RESISTENT POLYTHYLENE sheet (PERGO Polythylene foam or approved equivalent with a 2mm thick extruded polythylene foam of PERGO or approved equivalent on top to secure the floating for installation. All including all complete as directed by the Engineer-in-charge.	Sqm.	3812.00
4	MAIN HALL FLOORING: Providing & fixing of Loop pile Carpet,100% BCF polypropylene, solution dyed having pile height of 6mm having total density not less than 1100 gsm carpet in hall & balcony areas. Primary & secondary backing of Woven Polypropylene & having permanent static control with proper underlay of hitlon sheets of 10mm & total thickness between16mm rubber solution / SR- 998 pasted on the floor with suitable adhesives including labour etc complete.	sqm.	1438.00
5	Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 10 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.	Sqm.	580.00
6	Providing and laying anti skid rectified Ceramic glazed floor tiles of size 600x600 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4Coarse sand), including pointing the joints with white cement and matching pigment etc, complete.	Sqm.	1275.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
7	Providing and fixing Ist quality joint free digital ceramic wall highlighter tiles of 300 X 600 mm in size and conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm.	1374.00
8	(Out Side Cleaning)Daily two time sweeping & removal of mud, silt, unwanted material, paper & plastics from all Paved, parking area & storm water drain along the roads and collection & disposal of collected material at given location as per scope of work with multiclean Sweeper machine(RootsMulticlean sweeper sweep B70 equivalent) manpower, required sweeping tools, Basket and sanitary consumables etc. complete. (for 4000 Sqm area Monthly 4 nos sweepar ,15 brooms ,basket & hand trolley for disposal Sweep Machine Should deployedfor work) Measurment should be taken for floor area only.	Sqm. per month	13.60
9	(Room toilet & common toilet) Daily three time or more time as required (Morning, Afternoon & Evening) cleaning and weekly hard cleaning of Toilets floor with walls and dados urinals, washbasins & W.C. pans, removal of waste material from nahani trap, removal of chock up and collection of waste material, paper, plastics & unwanted material from toilets and dsposal of it and providing of toilet paper roll nephathalin ball , fregnance bar liquid soap and soap bar of premium quality for toilets as per scope of work with manpower, required tools, equipments, machines & sanitary consumables etc. complete. (Rooms toilet occupancy considered as 50% and common toilet for 100% for 100 Sqm area, Monthly 8 Skilled cleaner and 1 super visior 80 lit floor cleaning chamilal, hydrocloried base toliet cleaning chamilal 80 kg of Nephaline balls, unrinal screens, 30lit Liquid Soap etc. Required for the work) Measurment should be taken for toilet floor area only.	Sqm. per month	182.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
10	(Rooms with washing of bed sheet towel & nepkeen) Daily two or more times as required sweeping & machine moping of room and suits with cleaning of dustbeen of wet & dry garbage and cleanig and washing & cleaning washing of bedsheet doormat drycleaning of rug blanket & towel nepkeen and vaccume cleanig of furnitures sofa as per scope of work with manpower, required tools, equipments, machines and sanitary consumable etc.complete.(for 2000 Sqm area ,Monthly 4 Skilled cleaner and 1supervisor 80 lit floor cleaning chemical , Etc Required for the work) Measurment should be taken for floor area only.	Sqm. per month	62.00
11	Weekly cleaning of all , top roof and ducts as per scope of work with manpower,required tools equipments, meachines and sanitary consumables etc. complete. (for 1500 Sqm area Monthly 2 nos sweepar, with 4 brooms etc.) Measurment should be taken for floor area only.	Sqm. per month	8.50
12	Providing and laying of DIVINE Brand acrylic carpet of thickness 10mm. 100% acrylic carpet with pill weight 1857gm is pasted on floor by good quality adhesive in Committee Hall no. 3 at Vidhan Sabha Raipur Including cost of labour. T&P & all other materials etc complete.	Sqm	3591.00
13	Providing & installation of Safelock 25 mm thick interlocking rubber tiles of sizes 50*50 cm with 4.6 kgs weight for gymnasium floor. Safelock is a mix of natural rubber & recycled rubber with Elephant skin pattern. It will be UV resistant & the thicker layer of rubber matting protects the floor as well as the user. It also dampens sound & absorbs shocks.including cost of all materials, labour, conveyance, sundries, T&P, complete as per direction of Engineer-in-Charge.	Sqm	3970.00
14	Providing and laying Porcelain pool tile of size 245 mm x 120 mm and thickness 7 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Light Blue / Aqua Blue etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjuction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 2-3 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge.	Sqm	2371.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
15	Providing and laying Porcelain pool tile of size 245 mm x 120 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on Horizontal and Vertical surface (Side Wall) for Lane Marking in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Cobalt etc. laid in approved pattern on 3- 6 mm (5 mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 2-3 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge.	Sqm	2468.00
16	40 mm thick fine dressed stone flooring over 20mm (average) thick base of cement mortar 1:5 (1cement : 5 sand) including pointing with cementmortar 1:2 (1 cement : 2 sand) with an admixtureof pigment to match the shade of stone. 11.45.1 Red sand stone	Sqm	644.00
17	Providing and laying Matt/ Glazed finish HOMOGENEOUS ACROSS FULL BODY VITRIFIED tiles on Floor and Wall conforming to IS : 15622 : 2017 Table3 (Group B1a) with water absorption less or equal to 0.08% i.e. 1st quality of approved make in all colours and shades and size mentioned below (+/- 1mm), laid on 6-8 mm thick Highly Polymer Modified Adhesive mix conforming to 15477:2004 (Type -2) including grouting the joints with white cement or marching pigment if requied with complete toos for leveling the tiles (for smooth joints) and perfect size hole cutting as per requirement of sanitary fittings inclusive of tile edge champer cutting and polishing and all labours etc complete for the work .		
17.1	Size 600x1200mm thickness 9 to 10mm	Sqm	1642.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
18	Providing and laying Glazed Vitrified Tiles with digital print of random design VITRIFIED tiles on Floor and Wall conforming to IS : 15622 : 2017 Table3 (Group B1a) with water absorption less or equal to 0.08% i.e. 1st quality of approved make in all colours and shades and size mentioned below (+/- 1mm), laid on 6-8 mm thick Highly Polymer Modified Adhesive mix conforming to 15477:2004 (Type -2) including grouting the joints with white cement or matching pigment if required with complete tools for leveling the tiles (for smooth joints) and perfect size hole cutting as per requirement of sanitary fittings inclusive of tile edge chamfer cutting and polishing and all labours etc complete for the work .		
18.1	Size 600x1200mm thickness 9 to 10mm	Sqm	1437.00
19	Providing and laying loop pile carpet of approved shade with pile content 100% polypropylene stain-safe yarn, pile height 3.5 mm, total thickness 7 mm, roll width 4.0 m, fixed over 4 mm(EVA/PU/XLPE) foam cushion using approved adhesive, including wastage and all materials.	Sqm	1958.00
20	Providing and Applying High performing Epoxy Resin Flooring System 4.00 mm thick in required pigmented colour with following method on concrete surface 1.Surface preparation:- Cleaning the surface with mechanical and manual means such as wire brush,grinding tools, wipe machine etc. to make it free from dirt, dust, loose particles and other contaminants 2.Priming:- Providing and applying Phenlkamine Based solvent free Epoxy Primer (Product Such As Apcoflor HFP 130) @ 0.15 Kg/Sqm in two coats using a brush and short / medium pile roller at a time gap of 8 hrs by ensuring a uniform coating to achieved the compensated differences in surface porosity.3.Epoxy screed:- Providing and applying Epoxy Based Self Leveling Screed (Product such as Apcoflor LSC3 XL) @ 3.88Kg/Sqm by mixing all 3 components(Base Hardner and Aggregate in Ratio 20:10:70) using heavy duty slow speed mixing machine ,spreading of mixed material on the primed surface using suitable trowel / pin rake trowel at 3mm thickness, gently rolling the spike roller to remove the entrapped air etc.4.Top Coat :-Providing and applying Self leveling epoxy Finish (Product such as Apcoflor SL2 TC) @ 1.70 Kg/Sqm by mixing all components (Base Hardner and Aggregate in ratio 24:13:36) including Pigment, using heavy duty slow speed mixing machine spreading of mixed material on the primed surface using suitable trowel at 1mm thickness, gently rolling spike roller to remove the entrapped air, etc and complete.This application is inclusive of all labour, trasporation of material with all tools tackles required for the work.	Sqm	1530.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
21	Demarcation or Line marking (75mm to 120mm wide) by Providing and Applying High performing Epoxy Resin Flooring Top coat System (Product such as, Apcoflor TC 510) 1.00 mm thick by mixing all 2 components (Epoxy and Hardner) inclusive of all tools tackles and labour etc. complete for the work.	Metre	241.00
22	Providing and fixing approved make & color Floor carpet on 3mm foam base (local) using company based adhesive. The carpet is nylon based with looped pile construction type. The pile composition of the carpet is 100% polymer with tuft gauge of 1/10. The pile height of the carpet is 10mm and pile weight of 1.65kg/m ² (+/-15%). The Total height of carpet is 15mm with 3mm foam base. as specification	Sqm	4322.00
23	Providing & laying Monier Concrete Roof Tiles fitting accessories. Monier Ridge Tile	Each	192.00
24	Providing & laying Monier Concrete Roof Tiles fitting accessories. HIP STARTER RED	Each	224.00
25	Providing & laying Monier Concrete Roof Tiles fitting accessories. 4 WAY RED	Each	366.00
26	Providing & laying Monier Concrete Roof Tiles fitting accessories. TILE CLIP	Each	85.00
27	Providing & laying Monier Concrete Roof Tiles fitting accessories. TOP FLEX RED TAPE	Meter	2310.00

SPECIALIZED ITEM - WALL LINING (MARBLE & STONE WORK)

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Supply & apply "DECORCEM" or equivalent - a fiber reinforced light weight cementitious overlay system reflecting stone effects, "DECORCEM" to be applied in approved shade & pattern & as per manufacturers specification. The surface should be finally sealed with silicon acrylic sealant to make it dust & water proof. Thickness is approx. 8mm to 15mm depending upon pattern. Rate is inclusive of all labour and for height up 25.00 mt.	Sqm.	710.00
2	Providing ,supplying & Fixing in position of Red Sandstone Tekra (Approx size -550 X 650 X 150 mm) in various design elements for all levels, including the cost of ornamental stone work moldings and carvings, and polishing of the stone . Thats before execution as per drawing and sample preparation by the contractor. Fixing of Tekra in M.S. structure frame of (Frame Structure will be paid separatly) with fastner at all height as mentioned in the drawing.	Sqm	3425.00
3	Providing, Supplying and fixing in position approved Mural works in Multi Color Sandstone work (Exposed face machine cut and table rubbed , polished with rough backing. . (100 mm thick outer frame and 40 mm thick internal design elements machine cut edges) for wall lining etc. (veneer work) at all height as mentioned in the drawing , backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade in red sand stone and approved by Engineer-in-Charge.	Sqm	8541.00
4	Providing & Fixing of Red sand stone bollard of size 250 mm dia (top dia - 150 mm) X 1000mm height, finish sanded with a polished effect inlcuding rate of engraving and illustrations design and drawing. Bollard should be fixed complete With 200mm deep in paved portion Work with P.C.C.M-15 and aprroved by Engineer-in-Charge.	Each	10302.00
5	Providing ,supplying & Fixing in position of Red sand stone bench with precise Dimension of 1500mm in length 450mm in width and 600mm in height, legs thickness125mm, seat thickness- 75mm and back thickness 50 mm complete with detailed carving and ornamentation and designer logo of approved design .Design and Drawing to be approved by the architect in charge & Engineer-in-Charge.	Each	31249.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
6	Providing ,supplying & Fixing in position of Sand Stone barricade , Sand Stone Movable Barricade Constructed in Various Stone Elements (i.e. 2 No's of Column (Base's 350 X 350mm, having 4mm Thk. SS 304 Base Plate, & 150mm X 150mm Solid Vertical Stone Designer Pillar Of Height 750mm And 7 No's Of 65mm X 65mm X 500mm Height Solid Stone Designer Pillar Fixed on Bottom and Top Rail (125mm X 100mm Ht.) (Having 4mm Thk. Ss304 Base Plate).This Barricade is Mounted on two pair Double assambly Heavy Duty SS Wheels, This Barricade is included with the Stone Curve Edges, Polishing, Carving Work, Designer Top Coping and Design Element works on Both the Pillars, Base, Top Coping and As Per The Detailed Design And Drawings (As per the Sample Approved by the Engineer- in- Charge).	Sqm	126245.00

SPECIALIZED ITEM - DISTEMPERING, PAINTING AND FINISHING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Providing and laying closed pore polish of Hard Malleable polymer on new wood work (two or more coats) with spray machine after preparing surface by rubbing down smooth with sand papers, preparation of surface, applying 5 to 10 coats of Specialised Spirit polish along with two coats of sealer and finally applying two coats of closed pore polish clear.	Sqm	825.00
2	Providing and applying premium quality Duco paint finish on MDF, ply, or flush door surfaces including thorough surface preparation by sanding, application of NC primer in multiple coats, filling with wood putty, intermediate sanding, and final spray application of automotive-grade NC-based Duco paint in approved shade and finish (matt/satin/glossy) using a spray gun, complete in all respects including masking, cleaning, and protection of adjacent surfaces, as per manufacturer's specifications and architect's direction.	Sqm	1667.00

SPECIALIZED ITEM - DISMANTLING AND DEMOLISHING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	REMOVING OF CHAIR Dismantling of Chair with removing of floor bolt etc. And stacking of all material in proper manner as directed by engineer in charge .	Each	212.00
2	Removing of old acralic sheet fixed in lift cover 0- 62.50 mt height on Jaitkhamb and alluminunm section i/c all labour and machinary . Stacking of serviceable material for refixing but excluding stagging work.	Sqm	408.00

SPECIALIZED ITEM - SANITARY INSTALLATIONS

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
1	Providing and fixing Jaquar make Anti germ Flucro Polymer Coated squatting pan (Indian type Orissa pan W.C.260x440x580 pan) with 100mm VARIO BEND sand P.V.C. P and S trap, with open slim wall hung cistem code (WHT-184) capacity 3 litre/6 litre with required finish wall and floors wherever required.	Each	4520.00
2	Providing and fixing Jaquar make vitreous china pedestal type Antigerm Fluoro Polymer coated ground moulded EUROPEAN type w.c. pan size 785x370x645mm CODE SLS 0916 BS-& and 7.2 litre low level slim dual flush PP (poly Propeline) made 80mm thick concealed flushing cistren & SOFT CLOSING SEAT COVER CODE ZPS 1019 making good wall and floors wherever required.	Each	1177.00
3	Providing and fixing Jaquar make vitreous china pedestal type Antigerm Fluoro Polymer coated wall mounted European type W.C. pan size 760x365x620mm system cde CNS WH 16 with soft closing seat cover CODE WCS-7 and 7.2 litre low level slim dual flush of code CNS-02 & dual flush fitting code CNS WCF 01 PP (poly Propeline) made 80mm thick concealed flushing cistren, flushing capacity CODE WHC-WCF 1 and making good the wall and floors wherever required.	Each	8705.00
4	Providing and fixing Jaquar make white vitreous china Anti germ Fluoro Polymer Coated Under counter Wash Basin Size 190x550x435mm with C.I. Brackets, 15mm C.P. 32mm C.P. brass made waste Trap size 200x300mm fitting and wast coupling and bottle trap code ALD 769 L 250x190 fixtures complete including Painting of fittings and cutting and making good the wall and floors wherever required.	Each	5853.00
5	Providing and fixing Jaquar make white vitreous flat back anti germ floro polymer coated urinal size 630x375x315mm code URS-WHT-0702N with FLUSH PLATE PRS-CHR 073 with brass made prematic flush valve with flush (decol technology 400000 operation) and also included waste pipe and coupling complete with fitting and bracket cutting and making good wall.	Each	11332.00
6	Providing and fixing Jaquar make 8mm thick froasted urinal glass partition size hght 900x450mm brass made bracket with chrome plating	Each	5737.00
7	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 auto closing soft touch	Each	7078.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
8	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron BIB cock two way with health faucet.	Each	2656.00
9	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 Pressmatic pillar cock auto closing system.	Each	2371.00
10	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 Quarter turn Pillar cock.	Each	1950.00
11	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron Concelled stop cock	Each	1193.00
12	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron Angular stop cock	Each	1186.00
13	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron Wall Mixture	Each	4694.00
14	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron basin Mixture	Each	4100.00
15	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron sink cock	Each	1856.00
16	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron sink mixer	Each	3960.00
17	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron soap dispenser with glass bottle.	Each	1607.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
18	Providing and fixing Jaquar make in position best indian bonut size 24mm ceramic disc size 19mm and minimum body thick ness 2mm nickle plating. 1 micron and crome plating 0.3 micron toilet roll holder with flap.	Each	1513.00
19	Providing and Fixing of Floor Inlet in pool tank made with ABS material in white colour which has unique design permits 360° dispersion of fresh water in the pool, incl. flange, gaskets & S/S-screws. Internal Ø 50 mm & 50mm slip. The Suction head should have capacity of water flow 12.0 m³/h. it should be totally resistant against pool chemicals. Make Like SWILL, Canam Aqua, NEXUS	Each	1939.00
20	Providing and fixing Jaquar make vitreous china pedestal type Anti germ Fluoro Polymer coated ground moulded EUROPEAN type w.c. pan size 785x370x645mm CODE SLS 0916 BS-& and 7.2 litre low level slim dual flush PP(poly Propeline) made 80 mm thick concealed flushing cistren,& SOFT CLOSING SEAT COVER CODE ZPS 1019 making good wall and floors wherever required:	Each	9677.00
21	Providing and fixingJaquar make in position best indian bonut size 24mm ceramic disc size 19mm and mininmum body thick ness 2mm nickle plating.1micron and crome plating 0.3 micron BIB cock two way with health faucet. Item code : ARI--39041, ALD-CHR-583	Each	2682.00
22	White Vitreous China pedestal type wall hund water closet pan of Indus series closet (490x355x380) (Item Code No. C0255)	Each	5239.00
23	Providing and Fixing Vitreous China Urinal Basin of Jaquar urinal of size (mm) 530 x 340 x 360 (Item Code No. URS-WHT-0707) and coupling in C.P. Barass of Jaquar make 32mm size full thread with 80mm height (Item Code ALD-705) including fixing to wall with Rack bolt (Mild steel) (Item Code-2PS-MST-RB03) all complete	Each	4356.00
24	Providing and Fixing Vitreous China Wash Basin of Parryaware make Counter Top Basin of Cascade NXT Series white of size (550 x 445 x 200mm) (Item Code No. C0431) with 32mm C.P. Brass Waste of Standard Pattern of Jagquar make Waste Coupling 32mm size full thread with 80mm height (Item Code No. ALD-705) Counter Top Basin of Cascade NXT Serices white of Size (550 x 445 x 200mm (Item Code No. C0431)	Each	2649.00
25	Providing and Fixing Jaquar make Hand Shower (health Faucet) with 8mm dia, One meter long flexible Tube & wall Hook (Item code No. ALD - 573)	Each	1510.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
26	Providing and Fixing Pillar Cock for wash basin of Jaquar make Swan Neck Tap with Left hand Operating Knob (Item Code No. CQT-23123)	Each	1463.00
27	Providing and Fixing Jaquar make Angular Stop Cock with wall flange (Item Code No. CQT-23059)	Each	811.00
28	Providing and Fixing Jaquar make Urinal Valve Auto Closing System with Built-in-Control Cock & Wall flange (Item Code No. PRS-077)	Each	1976.00
29	Providing and Fixing Jaquar make 2 Way Bib Cock with Wall flange. (Item Code No. FLR-5041 N) 2 Way Bib Cock (Item Code No. FLR - 5041 N)	Each	1556.00
30	Wall mixer with provision for over head shower with 115mm Long Bend Pipe on upper side, Connecting Lege & Wall flanges Item Code No. CQT-23273 UPR	Each	3392.00
31	Providing and Fixing Jaquar make Overhead Shower 120mm dia round shape single flow (ABS Body Chrome Plated with Gray face plate) with Rubit Cleaning System (Item Code No. OHS-1789) Fix on shower Arm Custed 190mm long flat shape for wall mounted showers with wall flange (Item Code No. SHA-483)	Each	2698.00
32	Providing and Fixing Jaquar make Toilet Roll Holder (Item Code No. CAN-1151N)	Each	603.00
33	Providing and Fixing Jaquar make Soap Dish Holder (Item Code No. ACN-1131N)	Each	556.00
34	Single Towel Rail 450mm Long (Item Code No. CAN 1111BNM)	Each	976.00
35	Providing and Fixing Jaquar make Towel Ring Round with Round flange. (Item Code No. ACN-1121BN)	Each	836.00
36	Providing and Fixing of Ice Tub 185x110x46.2cm (FibreBody)	Each	14833.00
37	Supplying of Jaquar make Central Hole Wash Basin Mixer with Regular Spout without Popup Waste System with 450mm Long Braided Hoses Also available Model Name QQT-7167B/ QQT-7169B Cetral Hole Basin Mixer with Regular Spout wutg Popup Waste System with 450mm Long Braided Hoses	EACH	3302.00
38	Supplying of Jaquar make Central Hole Basin Mixer without Popup Waste System with 450mm Long Braided Hoses Also Available Model Name CON-167KNB/ Con-169KNB	EACH	2231.00
39	Supplying of Jaquar make Sensotronic Sensor Faucet for Wash Basin Model Name SNR-CHR-51021	EACH	8033.00
40	Supplying of Jaquar make Soap Dish Holder Model Name CAN-1131N	EACH	468.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
41	Supplying of Jaquar make Towerl Rack 600mm Long without Lower Hangers but with 3 hooks Model Name CAN-118FHN	EACH	2276.00
42	Supplying of Jaquar make Single Towel Rail 600mm Long Model Name AQN-7711	EACH	1295.00
43	Supplying of Jaquar make Towel Ring Round Model Name AQN-7721	EACH	870.00
44	Supplying of Jaquar make Soap Dish Model Name AQN-7731	EACH	1071.00
45	Supplying of Jaquar make Tumbler Holder Model Name AQN-7741	EACH	982.00
46	Supplying of Jaquar make Toilet Roll Holder Model Name AQN-7751	EACH	915.00
47	Supplying of Jaquar make Glass Shelf 500mm Long Model Name AQN 7771	EACH	1964.00
48	Supplying of Jaquar make Towel Rack 600mm Long with Lower Hangers Model Name AQN 7781	EACH	2945.00
49	Supplying of Jaquar make Waste Coupling 32mm Size Full Thread with 80mm height Model Name ALD-705	EACH	357.00
50	Supplying of Jaquar make Bottle Trap (with Internal Partition) 32mm Size with 250mm & 190mm Long Wall Connection Pipes & Wall Flange Model Name ALD-7691250x190/ALD-7691300x190	EACH	1116.00
51	Supplying of Jaquar make 450mm Long Braided Hose with Two 15mm Nuts & Rubber Washers Without Nipple (Suitable for Geysers) Model Name ALD-805B	EACH	224.00
52	Supplying of Jaquar make 450mm Long Braided Hose with M10X1 Nipple, 15mm Nut, O-Ring & Rubber Washer (Suitable for Geysers) Model Name ALD-803AB/ALD-801B	EACH	201.00
53	Supplying of Cera make Model name CARGO 2027EWC S Concealed 695X395X765MM Snow White	EACH	5502.00
54	Supplying of Cera make Callaghan 3101 EWC Wall Hung Ext. P 655 x 405 x 730 mm	EACH	3744.00
55	Supplying of Cera make 2127B Cistern	EACH	1785.00
56	Supplying of Cera make item code 2327 Seat Cover	EACH	1250.00
57	Supplying of Cera make item code 2227 Twin Flush Fittings	EACH	634.00
58	Supplying of Cera make item code COMET 1016 Counter Top Wash Basin 570 x 450 mm	EACH	2687.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
59	Supplying of Cera make WATERLESS URINAL 5001* Urinal Large - Waterless 420 x 395 x 635 mm 2550 Waterless Key Valve with Key Adopter & Nut	EACH	10527.00
60	Supplying of Cera make OVAL 1005A Under / Over Counter Wash Basin 550 x 460 mm	EACH	1374.00
61	Supplying of Cera make 2071* Orissa Pan BR 580 x 440 mm	EACH	1718.00
62	Supplying of Cera make URINAL PARTITION	EACH	2053.00
63	Supplying of Jaquar make Overhead shower 120mm Round Shape Single Flow (ABS Body Chrome Plated with Gray Face Plate) with Rubit Cleaning System Jaquar make shower rose Model Name-OHS-1789	EACH	1696.00
64	Supplying of Jaquar make Shower Tubes Model Name SHA- 549D8 Flexible Tube 8mm Dia & 1.5 M long with Nuts	EACH	893.00
65	Supplying of Jaquar make Wall Mixer with Telephone Shower Arrangement, Connecting Legs & Wall Flanges but without Crutch & Telephone Shower Model Name QQT-7217	EACH	3659.00
66	Supplying of Jaquar make 2-Way Bib Cock with wall Flange Model Name QQT-7041	EACH	1652.00
67	Supplying of Jaquar make Wall Mixer with Provision For Overhead Shower with 115mm Long Bend Pipe On Upper Side Connecting Legs & Wall Flanges Model Name CON-273KNUPR	EACH	3035.00
68	Supplying of Jaquar make Pillar Cock Auto Closing System Model Name PRS-031	EACH	1696.00
69	Supplying of Jaquar make Hand Shower (Heath Faucet) with 1 Meter Long Easy Flex Tube in Chrome Finish & Wall Hook Model Name ALD-CHR-565	EACH	1071.00
70	Providing & Suppling PVC Rigid Pipe 160mm Outside Diameter Class-3 6Kg/cm2 Wall Thickness 3.7mm-4.3mm as per IS : 4985:2000	Mtr.	719.00
71	Providing & Suppling PVC Rigid Pipe 110mm Outside Diameter Class-3 6Kg/cm2 Wall Thickness 2.5mm-3.0mm IS : 4985:2000	Mtr.	356.00
72	Providing & Suppling PVC Rigid Pipe 63mm Outside Diameter Class-2 4Kg/cm2 Wall Thickness 1.5mm-1.9mm IS : 4985:2000	Mtr.	140.00
73	Providing & Fixing A.B.S. Make Drainage Outlet SP -1031 (230mmx230mm) on floor Water tank interconnected with drainage outlet pipe.Floor:112 GPM,Wall : 83 GPM, 151.4 GPM@1.5FPS. RTROFIT COVER with 4 Grates includes inner frame,cover &	Each	4029.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
74	Providing & Fixing Heavy duty Tee 160mmx90mm & Pressure rating 6 Kgf/cm2 as per IS : 7834-1975	Each	655.00
75	Providing & Fixing Heavy duty Tee 110mmx63mm & Pressure rating 10Kgf/cm2 as per IS : 7834-1975	Each	377.00
76	Providing & Fixing Heavy duty Tee 63mm & Pressure rating 4 Kgf/cm2 as per IS :7834-1975	Each	93.00
77	Providing & Fixing Heavy duty Cap 63mm & Pressure rating 4 -6 Kgf/cm2 as per IS : 7834-1975	Each	34.00
78	Providing & Fixing Heavy duty Elbow 160mm & Pressure rating 6 Kgf/cm2 as per IS : 7834-1975	Each	394.00
79	Providing & Fixing Heavy duty Elbow 110mm & Pressure rating 6 Kgf/cm2 as per IS : 7834-1975	Each	213.00
80	Providing & Fixing Heavy duty Elbow 63mm & Pressure rating 4 Kgf/cm2 as per IS : 7834-1975	Each	82.00
81	Providing & Fixing ABS Plastic 63mm Nozzles for Treated Pool Water inlet for even distribution make Emaux or equivalent	Each	779.00
82	Providing & Fixing Fiberglass Top- Mount Filter " FILTER PLANT specially designed for water pond application molded out of U V Stabilized Re-enforced Fiber glass ISO Resin and chopped strand Fiber mat & Woven Robbin mat with 12mm wall thickness with Gel coat based pigmented colour tested for 6Kg/cm2 for pressure and with working pressure of 3kg/cm2, complete with 5 Function Single lever Operated Multiport Valve, First Charge Multi graded Quartz Filter Media with in built, Filtration, Backwash,rinse and drain systems.This Filter does not require any painting to protect it from corrosive nature of the site .Average flow rate of the filter will be 40000 liters per hour.(X 8 hours TOP) Size of the Filter will be 900mm dia make Emaux "Aqua pac" Series or equivalent	Each	136527.00
83	Providing & Fixing Fiberglass Top- Mount Filter " FILTER PLANT specially designed for water pond application molded out of U V Stabilized Re-enforced Fiber glass ISO Resin and chopped strand Fiber mat & Woven Robbin mat with 12mm wall thickness with Gel coat based pigmented colour tested for 6Kg/cm2 for pressure and with working pressure of 3kg/cm2, complete with 5 Function Single lever Operated Multiport Valve, First Charge Multi graded Quartz Filter Media with in built, Filtration, Backwash,rinse and drain systems.This Filter does not require any painting to protect it from corrosive nature of the site .Average flow rate of the filter will be 2000 liters per hour.(X 8 hours TOP) Size of the Filter will be 450mm dia with all pipe lain and filtting make Emaux "Aqua pac" Series or equivalent	Each	69121.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
84	Providing & Fixing Fiberglass Top- Mount Filter " FILTER PLANT specially designed for water pond application molded out of U V Stabilized Re-enforced Fiber glass ISO Resin and chopped strand Fiber mat & Woven Robbin mat with 12mm wall thickness with Gel coat based pigmented colour tested for 6Kg/cm2 for pressure and with working pressure of 3kg/cm2, complete with 5 Function Single lever Operated Multiport Valve, First Charge Multi graded Quartz Filter Media with in built, Filtration, Backwash,rinse and drain systems.This Filter does not require any painting to protect it from corrosive nature of the site .Average flow rate of the filter will be 70000 liters per hour.(X 8 hours TOP) Size of the Filter will be 1100mm dia X 2 Set make Emaux "Aqua pac" Series or equivalent	Each	186601.00
85	Supplying and fixing in position at the location as shown in the drawings or as directed by Engineer Incharge following type of satin finish stainless steel signages 316 Grade with counter sunk S.S.316 grade Screws complete.		
85.1	S.S.316 Grade Sign Plate of 120 X 120 X 1.5 mm - for direction and Disabled signages etc.	Each	741.00
85.2	S.S.316 Grade Sign Plate of 120 X 120 X 1.5 mm - for male&/female ,Fire,Pull ,Fire Exit signages etc.	Each	865.00
86	Providing and Fixing, testing and commissioning of white vitreous china wall mounting cascade type water closet Jaquar Cat No. DRS-37951 with CP bolts, nuts, CI chair hanging arrangements, seat & soft close seat cover with CP hinges & rubber buffers, CP brass screw, washer, P/S trap/bend, bracket, connection to main pipe on shaft with all accessories, connectors with rubber lip / buffer and side gap filled with silicon sealant wherever required with concealed type dual flush cistern & Plate & Rack Bolt Screw- Jaquar Cat No. JCS-WHT-2400FS & JCP-CHR-352415 & ZPS-MST-RB02 comprising of actuator button facia assembly including brass / SS screws , fastner,and washer complete, cutting and making good the walls floors wherever required .The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	27095.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
87	Providing and fixing water closet squatting pan (Orissa type W.C. pan) Jaquar Cat No. ECS-WHT-451 LE, with 100 mm sand cast Iron P or S trap, with concealed type dual flush cistern & Plate - , Cat No. JCS-WHT-2400WS & JCP-CHR-352415 comprising of actuator button facia assembly including brass / SS screws , fastner,and washer complete, cutting and making good the walls floors wherever required with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	11684.00
88	Providing and Fixing, testing and commissioning of vitreous china white over counter wash basin of Jaquar Cat No. DRS-WHT-37601 with 32 mm dia C.P. brass bottle trap Jaquar Cat No. ALD769L300X190 with CP brass waste Jaquar Cat No. ALD727, wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required. The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	8064.00
89	Providing and Fixing, testing and commissioning of CP brass Central single hole /Single lever basin mixer of Jaquar Cat No. VGP-81005NB without pop up waste with 600mm long braided hose complete including cutting and making good the walls where required. The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	4125.00
90	Providing and fixing Jaquar Cat No. ACN-1161N robe hook or Equivalent fixed to PVC rawl plug with CP brass screws as per direction of Engineer in Charge.	Each	460.00
91	Providing and fixing white vitreous china URS-WHT-13261 having water inlet from, top with Presmatic PRS-CHR-077 , Bottle trap-ALD-CHR-769L300X190 , Waste Coupling ALD-CHR 705. including fixing to wall with suitable brackets all as per manufacturers specification and direction of brackets all as per manufacturers specification and direction of engineer-in -charge. . The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	7466.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
92	Providing and fixing vitreous china flat back urinal basin Jaquar Cat No. URS-WHT-13253O with C.I. Hangers, C.P. spreader with short bent, electronic flushing system comprising of electronic & electrical items including infrared photo cells eyes, electronically operated solenoid valve, step down equipment, electric operated, concealed copper piping etc.with P-trap siphon and concealed urinal sensor of Jaquar Cat No. SNR-STL-51087 & connection kit for urinal and any other item required to provide satisfactory functioning, waste and jali to prevent naphthalene balls from going inside the pipe and connecting pipe to wall with C.P. flange complete including cutting and making good the walls and floors where required. . The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	15637.00
93	Providing and fixing fully automatic hand drier of / Jaquar Cat No. HDR-SAP-M99ACS or Equivalent complete to the satisfaction of Engineer in charge suitable to operate on 220 volts, single phase 50 hz, A.C. power supply.	Each	16645.00
94	Providing and fixing CP brass Sink Mixer Cock- Wall Mounted (Jaquar Cat. No. VGP-CHR-81165 or Equivalent , including cutting and making good the walls wherever required.	Each	3941.00
95	Providing and fixing CP brass Sink Mixer Cock- Platform Mounted with dual flow and pulled down mouth (Jaquar Cat. No. AKF-CHR-77175B , or Equivalent including cutting and making good the walls/ platform/ stone finish wherever required.	Each	14966.00
96	Providing and Fixing, testing and commissioning of shower Panel of Jaquar Cat No. JPL-WHT-G0843JAX or Equivalent including wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required.	Each	24548.00
97	Providing and Fixing, testing and commissioning of shower Panel of Jaquar Cat No. GPL-SSF-ST88158B or Equivalent including wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required.	Each	40191.00
98	Providing and Fixing, testing and commissioning of shower Cubicle of Jaquar Cat No. JSE-CHR-ENNAT1512X or Equivalent including wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required.	Each	42640.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
99	Providing and Fixing, testing and commissioning of Steam module of Jaquar Cat No. ASG-WHT-PIUVAP1117 - 6 KW or Equivalent including wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required.	Each	135685.00
100	Providing and Fixing, testing and commissioning of Steam Cabin of Jaquar Cat No. ASG-WHT-BOXJAQ1201 or Equivalent including All showers, vertical body SPA, steam, thermostat, chromo therapy lights, Aroma Therapy, Control Touch Panel with Entertainment system and necessary wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required.	Each	427432.00
101	Providing and Fixing, testing and commissioning of Towel Rack of Jaquar Cat No. AHS-CHR-581H or Equivalent with flexiable hose connection, regulator with flexible pipe 1.5 m long, wall hooked complete as required.	Each	3205.00
102	Providing and Fixing, testing and commissioning of Jaquar Cloth Liner AHS- CHR-1565 or Equivalent with flexiable hose connection, regulator with flexible pipe 1.5 m long, wall hooked complete as required.	Each	1070.00
103	Providing and Fixing, testing and commissioning of Magnifying Mirror of Jaquar Cat No. ACN-1193N or Equivalent with flexiable hose connection, regulator with flexible pipe 1.5 m long, wall hooked complete as required.	Each	3601.00
104	Providing and Fixing, testing and commissioning of Sauna- 4 Persons of Jaquar Cat No. ASU-NAW-1102A220 or Equivalent including inside outside control panel, thermal heater, stove heater, hygo meter, thermometer, laddle and bowl, lumber support, chromotherapy light, ambient light, entertainment system, glass enclosure, Cedar wood inside and outside and also wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required.	Each	498687.00
105	Providing and Fixing, testing and commissioning of Hot Water Solutions with M.S. 425 liter centralised Geyser- VRN-DUN-425 Verna or Equivalent high capacity 425 litre, with Powder coated body, and Blue lined diamond coating including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever req.	Each	64654.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
106	Solar Water Heating System of 500 Liters/ Hr Capacity with Combined Heat Pump Technology or 2000 LPD Conventional Package solar water heating system based on a closed circuit indirect heat transfer system and capable of producing specified quantity of water at 60 deg C during peak winters. The system shall essentially consist of insulated storage tank, collector panels, insulated interconnecting pipe work, electric booster, supporting structure, electrical back up all complete.	Set	358834.00
107	Supplying and Fixing, Testing and Commissioning of 15mm Air release valve, Zoloto-1094 or Equivalent.	Each	1296.00
108	Providing, fixing, jointing and testing UPVC soil, waste, vent pipework comprising UPVC pipe conforming to IS :4985-1983 and of required class as specified below and fittings (moulded as well as fabricated) like elbows, bends, reducers, threaded tail pieces, caps, suitable elbow with suitable extension piece for drain point and other specials jointing with cement solvent, chasing, cutting and making good the walls & floors, pipes laid in floors shall be encased with 40 mm thick concrete all around, complete in all respects including testing of complete installation. 40 mm dia 6 kg/cm ² (Class III)	Mtr.	206.00
109	Providing, fixing, jointing and testing UPVC soil, waste, vent pipework comprising UPVC pipe conforming to IS :4985-1983 and of required class as specified below and fittings (moulded as well as fabricated) like elbows, bends, reducers, threaded tail pieces, caps, suitable elbow with suitable extension piece for drain point and other specials jointing with cement solvent, chasing, cutting and making good the walls & floors, pipes laid in floors shall be encased with 40 mm thick concrete all around, complete in all respects including testing of complete installation. 50 mm dia 6 kg/cm ² (Class III)	Mtr.	257.00
110	Providing and fixing inspectors 25mm dia test assembly complete with test valve, sight glass sectional drain valve, union; necessary piping, threading, jointing & with corrosion resistant orifice all complete as per technical specifications and all requirements of contract works..	Each	4976.00
111	Providing and Fixing, testing and commissioning of hand spray (Health faucet) of Jaquar Cat No. ALD573 with flexiable hose connection, regulator with flexible pipe 1.2 m long, wall hooked complete as required, with Two way Bib Cock Jaquar Cat No. VGP-CHR-81041. The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	2978.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
112	Providing and fixing 15mm dia. C.P. brass Short body bib cock of Jaquar Cat No. VGP 81037 or Equivalent including cutting and making good the walls wherever required complete as per directions of Engineer incharge.	Each	1380.00
113	Providing and fixing C.P brass toilet paper holder of Jaquar Cat No. ACN1153N or Equivalent including cutting and making good the walls wherever required complete as per directions of Engineer incharge.	Each	949.00
114	Providing and fixing of towel ring of Jaquar Cat No. ACN1121BN or Equivalent complete in all respects including cutting and making good the walls required. Only attached Toilets.	Each	810.00
115	Providing and fixing, jointing and testing of 15mm dia C.P. brass angle valve of Jaquar Cat No. VGP 81053 or Equivalent with C.P. brass wall flange with any other items complete including cutting and making good the walls wherever required as per direction of Engineer-Incharge.	Each	904.00
116	Providing and fixing steel grab bar of Jaquar Cat No. AHS1507 or Equivalent.	Each	1389.00
117	Providing and Fixing, testing and commissioning of CP Braided hoses connection of Jaquar Cat No. ALD805B or Equivalent of 450 mm long including nuts and washers and making connection to fixtures and fittings complete as required.	Each	270.00
118	Providing and Fixing, testing and commissioning of ABS+PMMA Whirlpool Combi system, of Jaquar Cat No. Fusion JWP-WHT-GMI140CX, 1400 x 1400 x 450 with 10 water jets, 12 air jets, 1hp water pump, Air pump of 0.5 hp, over flow cum pillar, whitel light, electronic control, level censor frame with head rest and angular panel JWA-WHT-FUSNCPX, and composite Divertor, FLR-CHR-5671HF, Shower rail SHA-CHR-1197N, Flexi tube with 12mm dia and 1.5m long with nuts SHA-CHR-549D12, Hand Shower 32 mm round shape, straigth design, Dual flow with Rubit cleaning system-HSH-CHR-5541, Wall outlet, 30mm, 40mm long round, shape with 15mm thread to coinnect Hand shower pipe and flange- SHA-CHR-1195R, and along with wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required. . The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	153250.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
119	Providing and Fixing, testing and commissioning of ABS+PMMA Built in Bath tub, of Jaquar Cat No. Fusion JBT-WHT-KUBIX180X, 1800 x 800 x 470 with head rest- JWA-BLK-HRCP750GAC06 and Front panel JWA-WHT-KUBIXFPX, side panel JWA-WHT-KUBIXSPX, and bath tub filler ,with hand Shower diverter and filler - JWA-CHR-ACC00820X including complete set, drain connection pipe with overflow- JWA-CHR-DRNPIPE70, on Atlas frame IWA-CHR-ACC0051SSX, along with wall flanges and rubber adapters for waste connection complete including CI/MS brackets duly painted, nuts, washers, cutting and making good the walls floors wherever required. . . The above product catalogue nos are to be considered as a Set as per make mentioned or Equivalent.	Each	87689.00
120	Providing and fixing M.S. puddle flanges fabricated of 750 mm long pipe pieces to RCC water tanks wall/slab. The entire fitting shall be hot dipped galvanised (Flanges shall confirm to BS10 Table E) . 32 mm dia (Screwed ends MS plate 6 mm thick; 100 mm x 100 mm plus dia of pipe).	Each	437.00
121	Providing and fixing M.S. puddle flanges fabricated of 750 mm long pipe pieces to RCC water tanks wall/slab. The entire fitting shall be hot dipped galvanised (Flanges shall confirm to BS10 Table E) . 50 mm dia (Screwed ends MS plate 6 mm thick; 100 mm x 100 mm plus dia of pipe).	Each	615.00
122	Providing and fixing M.S. puddle flanges fabricated of 750 mm long pipe pieces to RCC water tanks wall/slab. The entire fitting shall be hot dipped galvanised (Flanges shall confirm to BS10 Table E) . 80 mm dia (Flanged ends MS plate 6 mm thick; 100 mm x 100 mm plus dia of pipe).	Each	834.00
123	Providing and fixing M.S. puddle flanges fabricated of 750 mm long pipe pieces to RCC water tanks wall/slab. The entire fitting shall be hot dipped galvanised (Flanges shall confirm to BS10 Table E) . 100 mm dia (Flanged ends MS plate 6 mm thick; 250 mm x 250 mm plus dia of pipe).	Each	1166.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
124	Supply, installation, testing and commissioning of 150 mm dia flanged type water flow alarm check valve with ductile iron body, bronze seat ring and cast iron /ductile iron clapper, suitable for operation in working pressure range of 1.4 bars to 20 bars complete with pressure gauges with brass isolation valves, by-pass check valve, main drain valve, alarm test valve, turbine principled alarm gong, strainer and test terminal box as per technical specifications and all requirements of contract works.	Set	30937.00
125	Providing and fixing white vitreous china (conforming to I.S. 2556:1994) with Anti germ Fluoro Polymer coated SLIM LOOK (hiding trap bend) WALL HUNG W.C pan size 580x400x370mm(+/-25mm) with soft closing UF (Urea formaldehyde) slim seat cover, fitted with 2 nos S.S. rack bolt proper finishing to joints of wall and floors wherever required: (Make Jaquar Item Code ARS-WHT-39951UFSM, ZPS-SNS-RB01, ZPS-WHT-GK01)	Each	16526.00
126	Providing and fixing of Concealed ON WALL Flushing Cistern with Floor mounting frame, flushing plate, installation kit and S-type drain pipe connection set for wall hung W.C. with required finish to wall and floors wherever required : (Make Jaquar Item Code JCS-WHT-2431FS, JCP-CHR-392415)	Each	7330.00
127	Providing and fixing white vitreous china (conforming to I.S. 2556:1994) with Anti germ Fluoro polymer coated TABLE TOP tin rim type wash basin of size 420x420x135mm square shape with fitting and bracket cutting required finish to wall and floors wherever required.Fauset arrangement and waste coupling and bottle trap to be paid separately in concern item. (Make Jaquar Item Code ARS-WHT-39901)	Each	5217.00
128	Providing and fixing of premium style best Indian C.P. Brass TWO WAY BIB COCK with body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) bonut size 24mm & ceramic disk 19mm quarter turn and water passage should be 12.7 mm foam flow discharge and having mass of 0.95 kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ARI-CHR-39041)	Each	1953.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
129	Providing and fixing of premium style best Indian C.P. Brass ANGULAR STOP COCK with body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) bonut size 24mm & ceramic disk 19mm quarter turn and having mass of 0.52kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ARI-CHR-39053)	Each	1154.00
130	Providing and fixing of premium style best Indian C.P. Brass SINK COCK with Regular swinging spout wall mounted model thick not less then 2mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk cartridge 32mm quarter turn 4 way action lever foam flow discharge and having mass of 0.95kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ARI-CHR-39347S)	Each	1947.00
131	Providing and fixing of premium style best Indian C.P. Brass EXTENDED TALL BOY BASIN MIXTURE TABLE MOUNTED with body thick not less then 2mm (as per i.s.1893:1993)) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) bonut size 24mm & ceramic disk 19mm quarter turn foam flow discharge and having mass of 1.4kg with 2 nos 450 mm braded hose all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ARI-CHR-39005B)	Each	5331.00
132	Providing and fixing of premium style best Indian C.P. Brass AUTO MIXING HIGH FLOW DIVERTER with EXPOSED PART KIT body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 0.1 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk cartridge 47mm 4 way action lever foam flow discharge along with concealed and exposed part and having mass of 2.5 kg all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ALD-CHR-079N, ARI-CHR-39079NK)	Each	5504.00
133	Providing and fixing S.S. 304 grade best Indian Shower Rose 180 MM Round Shape Single Flow with air effect (ABS Boby & face plate crome plated) With rubit cleaning system: (Make Jaquar Item Code OHS-CHR-1755)	Each	3962.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
134	Providing and Fixing of hand shower 100 mm dia made of ABS body grove plate with rubit cleaning system with flexible tube 1.50 mt long and 12 mm dia & wall bracket dia 35mm and 100 mm long round shape all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code HSH-CHR-1939, SHA-CHR-549D12, SHA-CHR-555)	Each	3162.00
135	Providing and fixing premium style best Indian C.P. Brass SPOUT with button attachment for hand shower and wall flange body thickness not less then 2.0mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) and having mass 0.90 kg all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code SPJ-CHR-35463PM)	Each	2592.00
136	Providing and fixing best Indian C.P. Brass waste coupling popup type nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) size 32 mm dia and 130mm long with all labour for fixing etc. complete. (Make Jaquar Item Code ALD-CHR-727L130)	Each	1245.00
137	Providing and fixing best Indian C.P. Brass bottle traps nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) size 32 mm dia and leg length 300X300mm long with all labour for fixing etc. complete. (Make Jaquar Item Code ALD-CHR-769L300 X 300)	Each	2020.00
138	Providing and Fixing of C.P. Brass HEALTH FAUCET with 8mm dia flexible tube 1.20 mt long abs 12 mm dia with wall bracket with all labour for fixing etc. complete. (Make Jaquar Item Code ALD-CHR-577)	Each	1656.00
139	Providing and fixing premium style AISI 304 SS finish TOWEL RAIL 600 MM with necessities screw drilling required finish to wall wherever required. (Make Jaquar Item Code CPA-CHR-1111)	Each	1643.00
140	Providing and fixing premium style C.P. Brass nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) TOWEL RING ROUND TYPE with necessities screw drilling required finish to wall wherever required. (Make Jaquar Item Code CPA-CHR-1121RD)	Each	1255.00
141	Providing and fixing premium style nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) SOAP DISH HOLDER with necessities screw drilling required finish to wall wherever required. (Make Jaquar Item Code CPA-CHR-1131)	Each	1050.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
142	Providing and fixing premium style AISI 304 SS satin finish KITCHEN SINK made with 1.2 mm thick sheet 710x460mm bowl size 560x410x230mm 40mm waste pipe including necessities arrangements required for fixing finish to plateforms wherever required. (Make Nirali Item Model Maxus BG)	Each	16447.00
143	Providing and fixing SS-304 satin finish Grating on floor trap size 155x155 (4 piece grating 1mm,frame 2mm, cup 67x80mm 1mm & top cover 1mm) with required cutting and finishing to floor wherever required. (Make NIRALI MODEL NAME ALEX BIG)	Each	1089.00
144	Providing and fixing white vitreous china Anti germ Fluoro polymer coated back inlet URINAL with concealed inlet and outlet size 635x385x325mm with fitting and bracket cutting required finish to wall and floors wherever required. Flushing arrangement to be paid separately in concern item. (Make Jaquar Item Code URS-WHT-13253N)	Each	8076.00
145	Providing and Fixing in position 8mm thick Acid etched frosted Toughened flat glass Partition of specified size 900X450mm with edge polishing , fixing with C.P. Brass fixtures including all heading fixture all complete. (Make Jaquar Item Code JSE-CHR-810UC450X)	Each	5655.00
146	Providing and fixing white vitreous china Anti germ Fluoro polymer coated TABLE TOP rounded rim type wash basin of size 700x435x135mm Rectangular shape with fitting and bracket cutting required finish to wall and floors wherever required.Fauset arrangement and waste coupling and bottle trap to be paid separately in concern item. (Make Jaquar Item Code ARS-WHT-39903)	Each	8048.00
147	Providing and fixing Anti germ Fluoro polymer coated white Vitreous wall hung type INTERATED WASH BASIN of size 500x440x385mm with fitting and bracket cutting required finish to wall and floors wherever required.Fauset arrangement and waste coupling and bottle trap to be paid separately in concern item. (Make Jaquar Item Code ARS-WHT-39803)	Each	11699.00
148	Providing and fixing of premium style best Indian C.P. Brass BIB COCK with body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) bonut size 24mm & ceramic disk 19mm quarter turn and water passage should be 12.7 mm foam flow discharge and having mass of 0.85 kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ARI-CHR-39037)	Each	1839.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
149	Providing and fixing of premium style best Indian C.P. Brass 3 IN 1 SINGLE LEVER WALL MIXTURE with body thick not less then 2mm (as per i.s.1893:1993 and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk 40mm 4 way action foam flow discharge and having mass of 4.2kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code OPP-CHR-15125PM)	Each	8567.00
150	Providing and fixing of premium style best Indian C.P. Brass WALL MOUNTING BASIN MIXURE with body thick not less then 2mm (as per i.s.1893:1993)and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk cartridge 32mm quarter turn 4 way action lever foam flow discharge and having mass of 1.85 kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ALD-CHR-233N, ARI-CHR-39233NK)	Each	6827.00
151	Providing and fixing of premium style best Indian C.P. Brass SINK MIXTURE with Regular swinging spout wall mounted model thick not less then 2mm (as per i.s.1893:1993 and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk cartridge 32mm quarter turn 4 way action lever foam flow discharge and having mass of 2.1kg with all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code ARI-CHR-39309)	Each	4752.00
152	Providing and fixing C.P. Brass shower arms with 20mm dia & 450mm long round shape nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) all labour for fixing and other expenses such as removing of plug etc. complete. (Make Jaquar Item Code SHA-CHR-479L450)	Each	1131.00
153	Providing and fixing premium style best Indian C.P. Brass SPOUT with wall flange body thickness not less then 2.0mm (as per i.s.1893:1993)and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) and having mass 0.8 kg all labour for fixing and other expenses etc. complete. (Make Jaquar Item Code SPJ-CHR-35429PM)	Each	2044.00
154	Providing and fixing best Indian C.P. Brass Auto closing PILLAR COCK LONG COCK (docol cartridge) body thickness not less then 2.0mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) and having mass 0.85 kg with all labour for fixing and other expenses such as removing of plug etc. complete. (Make Jaquar Item Code PRS-CHR-031L65)	Each	3539.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
155	Providing and fixing best Indian C.P. Brass Auto closing URINAL FLUSHING COCK (docol cartridge) body thickness not less then 2.0mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) and having mass 0.9 kg with all labour for fixing and other expenses such as removing of plug etc. complete. (Make Jaquar Item Code PRS-CHR-073)	Each	2683.00
156	Providing and fixing BOLT TOUCH FREE INFRARED HAND DRYER with 1150 WATT rated power & carbon brush motor necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code HDR-SSFH-AK2803D)	Each	9154.00
157	Providing and fixing nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) Wall mounted SWIVEL MIRROR size 630x445 MM with necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code AKP-CHR-35795)	Each	3584.00
158	Providing and fixing PAPER TOWEL DISPENSER Capacity 400-600 C/Z Towels AISI : 304 stainless steel with necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code PTD-SAP-DT0106CSN)	Each	5958.00
159	Providing and fixing premium style SOAP DISPENCER WITH GLASS BOTTLE with necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code CPA-CHR-1135)	Each	1712.00
160	Providing and fixing premium style C.P. Brass nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) holder GLASS TUMBLER HOLDER with necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code CPA-CHR-1141)	Each	1028.00
161	Providing and fixing premium style C.P. Brass TOILET PAPER HOLDER WITH FLAP with necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code AHS-CHR-1553)	Each	1803.00
162	Providing and fixing premium style C.P. Brass nickel plating 10micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) DOUBLE COAT HOOK with necessaries screw drilling required finish to wall wherever required.(Make Jaquar Item Code CPA-CHR-1161)	Each	821.00
163	Providing and fixing premium style S.S. SOAP DISPENCER WITH METALLIC BOTTLE with necessaries screw drilling required finish to wall wherever required. (Make Jaquar Item Code ACN-CHR-1137N)	Each	3629.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
164	Providing and fixing of premium style best Indian C.P. Brass AUTO MIXING HIGH FLOW DIVERTER with body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 0.1 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk cartridge 47mm 4 way action lever foam flow discharge along with concealed and exposed part and having mass of 2.5 kg all labour for fixing and other expenses etc. complete.	Each	4602.00
165	Providing and fixing Square shape 203X203mm Rainhead shower Rose in polished Chrome base and face plate with Wall Mounting elbow shower arm in polished chrome with necessary tool and tackles and Manpower as required. (KOHLER 16346IN-CP AND 73199IN-CP):	Each	4312.00
166	Providing and Fixing of Multi Function Oblong 2.5GPM /9.5 lpm hand shower made of Chrome polished groove plate with rubit cleaning system 100 mm dia with flexible tube 1.50 mt long and 12 mm dia with wall bracket dia 35mm and 100 mm long with all technical expertise and tool tackles and Manpower for the work.	Each	6082.00
167	Providing and Fixing on wall face Round Deep MSG Body spray having pressure over 6 Bar with configure with pipe network and control system and all technical expertise and tool tackles and Manpower for the work.	Each	30784.00
168	Providing and Fixing of Multi Function PNEUMATIC CONTROL SYSTEM Anthem THERMOSTATIC valve for water flow function of High flow MSG wall spray, Hand shower And over Head shower with all technical expertise and tool tackles and Manpower for the work. (KOHLER 23347 in 9--CP+ 2634IN-NA)	Each	35556.00
169	Providing and fixing premium style best Indian C.P. Brass SPOUT with button attachment for hand shower and wall flange body thickness not less then 2.0mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) and having mass 0.90 kg all labour for fixing and other expenses etc. complete.	Each	11617.00
170	Providing and fixing of premium style best Indian C.P. Brass WALL MOUNTING SINGLE CONTROL MONOBLOCK BASIN FAUCET (Trim + Valve) with body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) ceramic disk cartridge 32mm quarter turn 4 way action lever foam flow discharge and having mass of 1.85 kg with all labour for fixing and other expenses etc. complete.	Each	6791.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
171	Providing and fixing best Indian C.P. Brass waste coupling nickel plating 10micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) size 32 mm dia and 130mm long with all labour for fixing etc. complete. (KOHLER 20746IN-CP)	Each	2737.00
172	Providing and fixing of premium style best Indian C.P. Brass ANGULAR STOP COCK with body thick not less then 2mm (as per i.s.1893:1993) and nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) bonut size 24mm & ceramic disk 19mm quarter turn and having mass of 0.52kg with all labour for fixing and other expenses etc. complete.	Each	734.00
173	Providing and Fixing of C.P. Brass HEALTH FAUCET with 8mm dia flexible tube 1.20 mt long abs 12 mm dia with wall bracket with all labour for fixing etc. complete.	Each	1657.00
174	Providing and fixing white vitreous china (conforming to I.S. 2556:1994) with Anti germ Fluoro Polymer coated SLIM LOOK (hiding trap bend) WALL HUNG W.C pan size 580x400x370mm(+/-25mm) with soft closing UF (Urea formaldehyde) slim seat cover, fitted with 2 nos S.S. rack bolt proper finishing to joints of wall and floors wherever required with all experties and manpower :	Each	9190.00
175	Providing and fixing of Concealed Flushing Wall Hung Cistern with wall mounting frame, flushing plate, installation kit and style drain pipe connection set for wall hung W.C. with required finish to wall and floors wherever required.	Each	6270.00
176	Providing and fixing white vitreous china Anti germ Fluoro polymer coated TABLE TOP wash basin of size 610x415x160mm Rectangular shape with fitting and bracket cutting required finish to wall and floors wherever required.Fauset arrangement and waste coupling and bottle trap to be paid separately in concern item.	Each	6473.00
177	Providing and fixing premium styleAISI 304 SS finish TOWEL RAIL 450 MM with necessities screw drilling required finish to wall wherever required.	Each	7092.00
178	Providing and fixing premium style AISI 304 SS finish TOWEL HOLDER with necessities screw drilling required finish to wall wherever required. (KOHLER 25070IN-CP)	Each	1397.00
179	Providing and fixing premium style nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) SOAP DISH HOLDER with necessities screw drilling required finish to wall wherever required.	Each	1718.00
180	Providing and fixing premium style SOAP DISPENCER WITH GLASS BOTTLE with necessities screw drilling required finish to wall wherever required.	Each	2428.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	5
181	Providing and fixing premium style C.P. Brass nickel plating 10 micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) holder GLASS TUMBLER HOLDER with necessities screw drilling required finish to wall wherever required.	Each	2084.00
182	Providing and fixing premium style C.P. Brass TOILET TISSUE HOLDER with necessities screw drilling required finish to wall wherever required. (KOHLER 25070IN-CP)	Each	1613.00
183	Providing and fixing premium style C.P. Brass nickel plating 10micron chrome plating 0.3 micron (service grade- 2 as per i.s.1068:1993) DOUBLE COAT HOOK with necessities screw drilling required finish to wall wherever required.	Each	1447.00
184	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) 11 SDR (Size Dimention Ratio) Pressure rating PN 16/16 bar pipes pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includings jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall		
184.1	20 mm nominal dia Pipes	Metre	179.00
184.2	25 mm nominal dia Pipes	Metre	230.00
184.3	32 mm nominal dia Pipes	Metre	349.00
184.4	40 mm nominal dia Pipes	Metre	485.00
184.5	50 mm nominal dia Pipes	Metre	740.00
185	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) 11 SDR (Size Dimention Ratio) Pressure rating PN 16/16 bar pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings,with fixing and fixing the pipe by clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.		
185.1	20 mm nominal dia Pipes	Metre	247.00
185.2	25 mm nominal dia Pipes	Metre	306.00
186.3	32 mm nominal dia Pipes	Metre	400.00
186	P/F Suction Drain accessories with SS grill size 500mm x 500mm for water flow @ 100 m3/hr at required place of pool tank.	Each	10505.00

SPECIALIZED ITEM - WATER SUPPLY

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Supply & installation with allied fittings of PVC 110mm dia pipe. Anti corrosive PVC pipe with resistant of working perssure not less then 10 Kg/ sqcm. Following IS 4985-2000. Make Like Supreme/Finolex/Prince/Zolto/L&T	Rmt.	740.00
2	Supply & installation with allied fittings of PVC 90 mm dia pipe. Anti corrosive PVC pipe with resistant of working perssure not less then 10 Kg/ sqcm. Following IS 4985-2000. Make Like Supreme/Finolex/Prince/Zolto/L&T	Rmt.	517.00
3	Supply & installation with allied fittings of PVC 50 mm dia pipe. Anti corrosive PVC pipe with resistant of working perssure not less then 10 Kg/ sqcm. Following IS 4985-2000. Make Like Supreme/Finolex/Prince/Zolto/L&T	Rmt.	199.00
4	Supply & Fixing with allied fittings of 110 mm dia PVC butter fly valves in filtration room. As per ASTM-D1784 Make Like Supreme/Finolex/Prince/Zolto/L&T	Each	1999.00
5	Supply & Fixing with allied fittings of 90 mm dia PVC butter fly valves in filtration room. As per ASTM-D1784 Make Like Supreme/Finolex/Prince/Zolto/L&T	Each	762.00
6	Supply & Fixing with allied fittings of 110 mm dia PVC Foot valves in Balancing Tank. As per ASTM-D1784 Make Like Supreme/Finolex/Prince/Zolto/L&T	Each	4061.00
10	Supply & Fixing with allied fittings of 110 mm dia NRV. Horizontal / Vertical NRV for floor drain in side drain chammber at floor of swimming pool at deep end. Anti corrosive PVC NRV. As per ASTM-D1784.	Each	22439.00

SPECIALIZED ITEM - DRAINAGE

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Supply, erection , jointing, testing & commissioning of "C" Class MS pipes (as per IS:1239) including necessary specials such as tees, bends, flanges reducers etc, complete on wall/ceilling. The pipes to be erected on wall or suspended from beams, RCC roof slabs with suitable size MS bars/angle irons including painting of metal part except pipeline. (25mm dia)	Meter	230.00
2	Supplying, fixing, testing and commissioning of flanged HD/new age UL listed control valve with constant pressure trim and gong bell size : 150 NB sizes as required.	Each	38536.00
3	Providing and fixing Polypropylene grating at Dack level above over flow drain channel made with 35 x 295mm Polypropylene pieces will be jointed with push & fix arangment. (approx. 45 pieces per meter) Make Like SWILL, Canam Aqua, NEXUS	Rmt	2678.00
4	Providing and fixing Semi transparent polyethelene tank with external scale for checking tank capacity of 500 Ltrs. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	4359.00
5	Providing and installation of Agitators in the tanks which are having steering grip on Bakelite, 25 mm dia stirring rod minimum length 900 mm and PVC propellor arms etc complete. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	3146.00
6	Providing Moveable Suction swipping Trolley with 4 wheels of 6" dia. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	30388.00
7	P/F Suction Drain accessories with SS grill size 500mm x 500mm for water flow @ 100m3/hr at required place of pool tank. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	10505.00
8	Providing FLEXIBLE VACUUM HOSE dia 40mm and 30 M in Length Manufactured of UV resistant and long lasting plastics. (Supply should be Packing in tearproof PE bags. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	7480.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
9	Providing ALGAE BRUSH SS BRISTLES With stainless steel bristles SS-316 grade specially recommended for tile pools. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	2057.00
10	Providing CURVE BRUSH POLY BRISTLES With robust PPGF and UV resistant body. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	1683.00
11	Providing DEEP NET with reinforced and UV resistant PPGF frame and extra strong and finely woven extra deep net, with integrated dirt collection flaps and flat frame. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	1122.00
12	Providing TEST KIT TABLET TYPE Including 20 x PH/CL test tablets each, transparent tester with legible and reliable colour scale. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Each	1122.00
13	Providing & Filling Silica 0.5mm to 0.8mm made out of crushed marbal. Should be as per consultant & client engineer incharge approval. Make Like GREEN EDIFICE INFRAVENTURES, RK Pools & Engineering,	Kg	17.00
14	Supply & Fixing with allied fittings of 110 mm dia NRV. Horizontal / Vertical NRV for floor drain in side drain chamber at floor of swimming pool at deep end. Anti corrosive PVC NRV. As per ASTM-D1784. Make Like Supreme/Finolex/Prince/Zolto/L&T	Each	22439.00
15	Providing and fixing S.S finish Countertop Manually operated liquid soap dispenser with glass bottle Jaquar Cat No. CAN-CHR-1135 or Equivalent.	Each	1120.00
16	Dewatering and pumping of the working area including all connected operations of laying of pipe line, removal of all seepage and other operations required for maintaining cleanliness for construction work-		
16.1	By diesel pumps		
16.2	Up to 5 HP	Hour	139.00
16.3	More than 5HP to 10HP	Hour	219.00
16.4	More than 10HP to 20HP	Hour	381.00

SPECIALIZED ITEM - TUBE WELL AND RAIN WATER HARVESTING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Suppling, Installing, testing & commissioning of electric driven Hydrant Pump suitable for automatic operation consisting of the following (as per specification). Horizontal split casing centrifugal pump complete for delivery of 2850 ltrs./minute against a total head of 70 metres approximately complete with bronze impeller shaft and Mechanical Seal.Squirrel cage induction motor suitable for 415 V, 50 Hz, AC supply of 40 HP (or as per Pump efficiency) rating for the above pump with synchronous speed of 2900 RPM T.E.F.C. type such as confirming to IP:55 and flexible coupling and coupling guard with the pump Motor shall accept +/- 10% variation in voltage and +/- 3% variation in frequency.Common bed plate of fabricated mild steel channel or cast iron type with cushy foot mounting.Suitable reinforced cement concrete pump foundation of 1:2:4 ratio (1 cement : 2 fine aggregate : 4 coarse aggregate) including foundation bolts, whasher as required. Foundation shall be finished with a coat of neat cement with 50 x 50 x 3 mm thick MS angle edging and foundation shall be painted with enamel paint.	Set	353600.00
2	Suppling, installing, testing & commissioning of diesel engine driven Standby Pump suitable for automatic operation consisting of the following (as per specification)Horizontal split casing pump complete for delivery of 2850 ltrs./minute against a total head of 70 metres approximately complete with bronze impeller, shaft and Mechanical Seal. Heat Exchanger cooled Diesel Engine developing 75 BHP for the above pump, flexible coupling and coupling guard with the Pump, common bed plate for mounting of the Engine and Pump, RCC Foundation and vibration damping arrangement by cushy foot, Diesel, Engine starting Panel for starting of the engine automatically with a unit of battery of Lead Acid 24V, 180 Ah, and battery charger as per specifications. Rate shall also include Exhaust Pipe of required length and size to discharge exhaust gases externally, with muffler, day oil tank of 200 ltrs capacity with first charge and hand pump set, suitable reinforced cement concrete pump foundation of 1:2:4 ratio (1 cement : 2 fine aggregate : 4 coarse aggregate) including foundation bolts, washers as required. Fuel Tank shall be of 2 mm thick sheet, factory made and shall have indications for Low Fuel Switch, Fuel Level indicator, Shut off Nozzel and Audible Alarm in Engine Panel. Foundation shall be finished with a coat of neat cement with 50 x 50 x 3 mm thick MS angle and foundation shall be painted with enamel paint.	Set	588200.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
3	Suppling, Installing, testing & commissioning of electric driven automatic pressurisation pump set consisting of the following. Horizontally mounted endsuction single stage centrifugal and suction type Jockey pump complete for delivery of 180 ltrs./minute against a total head of 70 metres apporx complete with bronze impeller, shaft and Mechanical Seal. Squirrel cage induction motor suitable for 415 V, 50 Hz, AC supply of 15 HP rating for the above pump with synchronous speed of 2900 RPM T.E.F.C type such as confirming to IP:55 and flexible coupling and coupling guard with the pump, Motor shall accept +/- 10% variation in voltage and +/- 3% variation in Frequency . Common bed plate of fabricated mild steel channel or cast iron type cushy foot mounting. Suitable Cement concrete Pump Foundation of 1:2:4 (1 cement : 2 fine aggregate : 4 coarse aggregate) with MS bolts, washwer as required. Foundation shall be finished with a coat of neat cement with 50 x 50 x 3 mm thick MS angle edging and foundation shall be painted with enamel paint.	Set	157250.00
4	DESIEL ENGINE PUMP Supplying, Installation, Testing and Commissioning of Diesel engine driven main fire pump suitable for automatic operation and consisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg/sq.cm at highest and farthest outlet at specified flow of 2280 lpm at 60 m. head conform. Suitable for 50 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS& IS standard complete with auto starting mechanism, 12 volts/24 Volts electric starting equipment, Diesel Tank, exhaust pipe extended upto 1 m. outside pump house . M.S.fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered with anti vibration pads.	Each	812300.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
5	ELECTRICAL PUMP Supplying, Installation, Testing and Commissioning of Electric driven main fire pump suitable. for automatic operation and consisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet at specified flow of 2280 lpm at 75m head 60 HP Squirrel cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS:325. M.S fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered with anti vibration pads.	Each	423920.00
6	JOCKEY PUMP Supplying, Installation, Testing and Commissioning of Electric driven pressurisation pump suitable for automatic operation and consisting of following: complete in all respect as required. Horizontal type, singlestage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 75 m. head conforming to IS : 1520. Suitable 10HP Squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS : 325. M.S fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered with anti vibration pads.	Each	153772.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
7	Fabricating, supplying, Installation, testing and commissioning of electrical control panel of cubicle construction, floor mounted type, fabricated out of 2 mm thick CRCA sheet. Compartmentalised with hinged lockable doors, dust and vermin proof cable alley, inter connection, having switchgears and accessories mounting and internal wiring, earth terminal, numbering etc. complete in all respects, suitable for operation on 415 V. 3 phase, 50 Hz AC supply with enclosure protection class IP 42 as required.	Each	459881.00
8	Providing & Fixing Fiberglass Top- Mount Filter " FILTER PLANT specially designed for water pond application molded out of U V Stabilized Re-enforced Fiber glass ISO Resin and chopped strand Fiber mat & Woven Robbin mat with 12mm wall thickness with Gel coat based pigmented colour tested for 6Kg/cm ² for pressure and with working pressure of 3kg/cm ² , complete with 5 Function Single lever Operated Multiport Valve, First Charge Multi graded Quartz Filter Media with in built, Filtration, Backwash,rinse and drain systems.This Filter does not require any painting to protect it from corrosive nature of the site .Average flow rate of the filter will be 70000 liters per hour.(X 8 hours TOP) Size of the Filter will be 1100mm dia X 2 Set make Emaux "Aqua pac" Series or equivalent	Each	186601.00

SPECIALIZED ITEM - HORTICULTURE AND LANDSAPING

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	For Roofs With Land Scaping / Terrace Garden treatment / area covered by solar reflective tiles: : Providing and applying solvent free two component Polyurethane spray applied waterproofing system (manufactured by BASF India Ltd or equivalent product from Fosroc chemicals India Pvt.Ltd MYK Schomborg or Ardex endura India Pvt.Ltd) on Landscape on horizontal and vertical face at 2mm total thickness . I/c applying moisture insensitive epoxy primer broadcasted with sand after necessary surface preparation followed by applying waterproofing membrane using specialized 2 component spray machine as per manufactures specifications . The mixed product should have 100% solid content as per DIN 53213, density of 0.9-1.0g/cm ³ , tensile strength of 8-10 Mpa as per DIN 53504, fast setting less than 1 min and green certified	Sqm.	2202.00
2	Anti Root Barrier: Providing and laying anti root barrier membrane of M/s. E.I. Dupont (India) Pvt. Ltd., Master Seal 975 from BSF ,OR equivalent approved to the locations as shown in the drawings or as directed complete all as per manufactures specifications. Root Barrier shall be consisting of green colored Elvalloy polymer layer of approx. 25 GSM, fused onto Typar non woven polypropylene geotextile layer of 300 GSM, so that the total weight of the membrane is approx. 325 GSM with nominal thickness of 0.8 mm. The membrane shall be loosely laid over the surfaces with an overlap of 50 mm between the adjoining rolls.	Sqm.	356.00
3	For terraces over pre layed PUF insulation :		
3.1	Providing and laying roof insulation with 60 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/ cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, Waterproofing shall be spray applied directly above PUF insulation (as per specifications, Payable extra) protection of waterproofing shall be done using 400 G polythene sheet and providing a wearing course with average 75 mm thick cement screed 1: 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.	Sqm.	1390.00

SPECIALIZED ITEM - SPORTS DEPARTMENT

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Supplying laying and commissioning 7 mm thick Seamless point-elastic indoor sports floor. The system consists of a high resilient granular base mat with polyurethane self-leveling elastic wear layer covered by a wear resistant mat top coat finish. The PU-Sport© system (i) Elastic Layer 5 mm thick rubber MAt with the following specifications of volumetric weight 750 - 775 gm/m², tensile strength 0.60N/mm² 2 mm thick PU includes (ii) 1 Layer two component polyurethane pore sealer (iii) 2nd Layer of two component polyurethane self-leveling wear coat that ensures exceptional durability. (iv) 3rd Layer two component aliphatic polyurethane topcoat with very high abrasion resistance, as well as stain resistant. (v) Line Marking as per requirement of the games. complete as per direction of Engineer-in-Charge.	Sqm	5764.00
2	Supply and installation of high-quality 100% synthetic rubber, free from harmful plasticizers or PVC, 75mm high 3mm thick flexible rubber skirting (cove base) for use with rubber gym flooring. Materials must be compliant with LEED indoor air quality standards (low VOC). Fixed using manufacturer-approved rubber adhesive or contact cement, ensuring full surface bonding to wall and floor interface Skirting shall be manufactured from durable, non-marking, smooth matte or textured, anti-slip finish resilient, rubber compound, designed to protect walls from impacts, scuffing, and cleaning equipment, while ensuring a clean, hygienic finish between floor and wall junctions. Installation shall comply with ASTM F1861 – Standard Specification for Resilient Wall Base.	Rmt	2485.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
3	Providing & Fixing of the cubical unit and it shall be installed in approved finish, shades and colors as per specifications and direction of Engineer in charge. The cubical unit shall be minimum 5 years guarantee for the board against any moisture and 5 years guarantee for the hardware's. The section covers fixing of toilet cubicles of 1000mm x1500mm as per specifications/ site drawings. Cubicle height to be 1980 mm., Partition Board = Made from solid grade compact high-pressure laminate as per IS:2046 manufactured under high specific pressure > 5 MPa and temperature >120oC with bunch of Kraft papers impregnated with thermosetting phenolic resin and decorative papers made of Alpha cellulose fiber impregnated with thermosetting melamine resin which provide superior scratch, abrasion, heat, chemical, impact, graffiti & moisture resistance along with anti-bacterial properties. Panels have a black core that when machined, presents a distinctive black edge. Panel thickness 12 mm. Design no. as specified by Arch. / Engr. in suede finish. Size of panels to be as per drawing. .(min. 1.2 Sqm area) Accessories: Rectangular head frame structure made from Stainless steel grade 304. Surface finish to be brush type. A thin plastic film pasted for surface protection. Corner joinery section made from Stainless steel grade 304. Surface finish to be brush type. A thin plastic film pasted for surface protection. Wall joinery section with hamming profile made from Stainless steel grade 304. Surface finish to be brush type. A thin plastic film pasted for surface protection. Adjustable Palm Design Pedestal Footing of base diameter 64 mm made from Stainless steel grade 316 giving a clearance height of 150 mm. Surface finish to be matt type. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be mat type. Covers to be lacer coated. Conical shape Coat hook with rubber stopper made from Stainless steel grade 304. Surface finish to be matt type. Round Doorknob diameter 30 mm with grooves for better hand grip made from Stainless steel grade 304. Surface finish to be matt type. Rotating Thumb-turn locking system with privacy indicator made from Stainless steel grade 304. Surface finish to be matt type. Anti-noise rubber padding of thickness 2 mm and width 10 mm Stainless steel grade 304 screws. Anti-rotation Nylon polyamide grade-6 expandable wall plugs. complete as per direction of Engineer-in-Charge.	Each	28970.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
4	Supplying and laying of 300mm dia. double wall corrugated - SN8 (IS:16098-II) pipes in under ground system as per detailed design drawing for provision in electrical line and sprinkler lines sleeve purposes and drainage outlet complete in all respect as per direction of engineer in charge. Excavation for trench, dressing and refilling should paid extra.	Rmt	2226.00
5	Providing and laying World Athletics Approved Synthetic Athletics Track PUR SYSTEM which should comply with Environmental compatibility of VOC (Volatile Organic Compound) content as per DIN-V-18035-6. including "WA" Standard markings on the surface all complete as per requirements/ specifications laid down by "WA" class -II certification and as per direction of the Engineer-in-charge. The synthetic Track should conform to the following specifications: Tensile strength 0.5N/mm ² 0.3N/mm ² Elongation at break >40% Force reduction 35–50% Vertical deformation 0.6–2.5mm Standard deformation 0.6–1.8mm (at 0–40°C) Thickness >14mm Relative abrasion >1.0 Friction(sliding coefficient) >0.5 <1.1 Spike resistance Class1 Remaining indentation <1.0mm Environmental requirements Limit values for DOC, EOX, Heavy metals, smell, with applying UV protective PU spray coat of WA approved product Manufacture for required colour over top layer as complete as per direction of Engineer-in-Charge. The proposed product should be certified by World Athletic (Earlier IAAF) for Class II Track complete as per direction of Engineer-in-Charge. Product to be only of European, American, Australian or Indian Origin		
5.1	Synthetic Athletics Track 15mm thick PUR SYSTEM	Sqm	10146.00
5.2	High Stress Areas with a minimum thickness of 20 mm PUR SYSTEM	Sqm	10318.00
5.3	High Stress Areas with a minimum thickness of 25 mm PUR SYSTEM	Sqm	10532.00
6	Supplying and filling of fine silica sand in jumping pits of depth 300mm to 500mm having grain size 0.25 to 1.00mm (optimal 0.40-0.80 mm) density of 1500-1600 kg/Cum, rounded or sub rounded (no sharp angular grains) kiln dried, light beige / off white colour including cost and conveyance of all materials and labour charges to the site to fill the sand in pits and complete finished item as per World Athletics (IAAF) rule 184 geometry & safety Guidance..	Kg	5.50

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
7	Supply and Installation track field equipment material for conducting various event. (approved by World Athletics) complete finished item as per drawing and as directed by Engineer-in-Charge.		
7.1	Supplying and installation of pole vault take-off box including all accessories, complete with a removable weather-resistant cover. The box shall be constructed of hot-dip galvanized steel, with internal dimensions and slope angles fully compliant with World Athletics. Internal Dimensions: Length: 1.00 m $\pm$10 mm Rear Width (top opening): 60 cm $\pm$20 mm Front Width (throat): 15 cm $\pm$10 mm Depth: 20 cm $\pm$10 mm Slope Angle: Approx. 120° Material: Heavy-duty galvanized steel or stainless steel Finish: Rust-proof with non-slip internal surface. The box shall be set flush with the runway surface, embedded in a reinforced concrete pit, with provisions for adequate drainage. The cover shall be: Made of UV-resistant fiberglass, aluminum, or galvanized steel Lockable/securable and designed to sit flush with the surrounding surface. Non-slip textured surface and weather-resistant for outdoor use All components shall be suitable for international-level pole vault competitions, and certified or certifiable by World Athletics (where applicable). Installation shall be carried out by experienced personnel ensuring full integration with existing track and field infrastructure complete finished item as per drawing and as directed by Engineer-in-Charge.	Each	43808.00
7.2	Supplying and installing Long Jump and Triple Jump Take-off Board with housing tray and plasticine insert, complete as per World Athletics specifications as follows, Take off board- 3 No per pit side, total No:12 Nos Material: Laminated wood or synthetic board Finish: Durable, weather-resistant coating (typically white) Dimensions: Length: 1.22 m $\pm$ 0.01 m, Width: 0.20 m $\pm$ 0.01 m, Thickness: ~0.1 m, Mounting: Must be flush with runway surface; removable for maintenance complete finished item as per drawing and as directed by Engineer-in-Charge.	Set	53842.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
7.3	Supplying and installation a combined hammer and discus throw facility including: Galvanized steel throwing ring, Protective cage structure with netting. The system must comply with the latest World Athletics Technical Rules TR33 (Throwing Circle) and TR34 (Cage Dimensions) and be suitable for international-standard competitions. Throwing Ring Specification: Material: Galvanized or stainless steel, Internal Diameter: 2.135 m $\pm$ 5 mm, Height Above Slab: 20 mm, Finish: Anti-slip treated, corrosion-resistant, Installation: Fixed in flush concrete base, properly aligned and leveled Cage Height: 10 m (main posts), 7 m (side posts in gate section), Cage Width (Opening at Front): 6 m ($\pm$ tolerance), gate angles adjustable, Total Depth (Back to Front): ~7–10 m depending on configuration ,Material (Posts): Hot-dip galvanized steel or powder-coated steel pipes, Netting:, High-tensile nylon or polypropylene mesh, UV-resistant, weatherproof, min. mesh size 44 mm, Minimum certified breaking strength: 250 kg per strand, Net Support: Steel cables or tensioned guy wires, Post Foundations:all posts with embedded sleeves/anchors ,Safety Feature: Opening/closing gate mechanism for discus/hammer transitions complete finished item as per drawing and as directed by Engineer-in-Charge.	Set	1833797.00
7.4	Supplying and installation discuss throwing cage with socket 4.3 to 6.3 m Height (New IAAF Rule from 2020) Made by Aluminium The 7 uprights for this safety cage are made from aluminium Profiles ($\varnothing$120 x 100 mm, wall thickness 2.5 mm) Included safety net (made in Europe) and pull up devices1 and 2 post in front is 6.3 m height as per drawing and as directed by Engineer-in-Charge.	Set	1079948.00
7.5	Supplying and installing Shot Put Throwing Ring with toe board, complete with galvanized steel circle, in-situ reinforced concrete base, and removable toe board; as per World Athletics Technical Rule having specification Hot-dip galvanized or stainless steel ring, Material: Painted hardwood, resin composite, or high-grade polymer Dimensions (as per World Athletics TR32): Height: 100 mm $\pm$ 2 mm, Chord Length: 1.21 m $\pm$ 2 mm, Thickness: 114 mm front face curvature, install with removable or bolted to concrete base,Smooth painted white, durable and weather-resistant complete finished item as per drawing and as directed by Engineer-in-Charge.	Each	48989.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
7.6	Supplying and installing prefabricated aluminum kerbing for the inside lane of synthetic athletics track, including ground anchoring system and curve connectors; complete as per World Athletics specification as follows, Material: High-strength extruded aluminum alloy, Finish: Mill finish or powder-coated white (weatherproof, UV-resistant), Height Above Track Surface: 50 mm $\pm$ 5 mm, Width (base): Approx. 60–80 mm, Length of individual sections: 4.0 m or 5.0 m (factory-standard lengths), Shape: Rounded or chamfered top edge to reduce injury risk, Drainage: Optional cutouts or holes for surface runoff installing in Galvanized or stainless steel ground anchors at 500–1000 mm centers, Base Plates: Prefixed holes in kerb base for mechanical anchoring, Flexible Joints: Expansion and contraction gaps between segments, Connector Brackets: Stainless steel or aluminum interlocking brackets between sections, End Sections: Tapered kerb ends at start/finish or steeplechase zone complete finished item as per drawing and as directed by Engineer-in-Charge.	Rmt	1350.00
7.7	Supplying and installation Water jump hurdle/barriers, made of Heavy duty foldable beam made of square pipe covered with thick waterproof solid plywood. Base legs & base are made of steel square pipe with spring loaded snap lock system for easy adjustment of three different required heights i.e. 762 mm, 838 mm and 914mm. Legs are fitted into sockets grouted in the ground. Painted with premium quality polyurethane paint for longer life & durability, easy to install & foldable for easy transportation all complete item as per drawing and as directed by Engineer-in-Charge.	Each	56923.00
7.8	Supplying and installation of reducer circle ring designed to fit concentrically inside the standard throwing circle to aid training and technique development for hammer and discus athletes made in hot-dip galvanized steel or stainless steel Anti-corrosion coating, smooth edges, rust-resistant of size Minimum 5 mm thickness, removable or fixed to the concrete slab using flush mounting bolts or embedded anchors complete finished item as per drawing and as directed by Engineer-in-Charge.	Each	49090.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
8	Supplying and installation of FIFA approved Football Portable Goal Post of International Regulation size 24x8ft.Uprights & Cross bar of 100mm M.S. round tube and back support of 50 mm M.S. round tubeUprights,Cross bar & back supports finished in PU scratch resistant paint. Lightweight but rigid construction for stability and portability with net having high-tenacity polyethylene (PE) or nylon, UV stabilized and weatherproof with minimum tensile strength of 250 N per strand fixed using Net hooks, clips, or cord lacing system integrated along posts and crossbar, portable with flip over wheels complete finished item as per drawing and as directed by Engineer-in-Charge.	Pair	441697.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
9	Design, Supply, Installation, Testing and Commissioning of Football FOP Irrigation/sprinkler System as per sprinkler as per detailed design layout, site conditions requirement, scope of work to make sprinkler system operate smoothly. Including all material & Labour charges, piping, pop up sprinkler with swing joints, all Cabling with conduit, Pumps (1 working + 1 standby) min. 7.5HP, Automatic Control Panel, Valves, Disc Filter, Clamps, NRV, Etc all complete to run Smooth Operation of Sprinkler.) complete as per direction of Engineer-in-Charge. Pop-up sprinkler having variable adjustable arc (50 to 360 degrees) nozzle capable of covering 15 to 21 mtr. The sprinkler shall have a minimum of 3-1/2-inch (9 cm) pop-up stroke to bring the rotating nozzle turret into a clean environment. The sprinkler shall be available as an a 6-inch (15cm), double acting air vacuum release 2 " Air release valve with Pressure Gauge The Air release valve shall be capable of both releasing and admitting air from and into the line. The working pressure shall be 5 bar. 12" & 10" rectangular Valve Box with green lid and corrugated structure with unique shovel access slot and bolt hole knockout AUTOMATIC BACKWASH FILTER - with capacity matching the Pump Design flow having a suitable inlet connections , to create helical effect in the incoming water. 7.5 HP Submersible Pump Set (1W+ 1S) suitable for pump set having panel box and fixed along with following accessories starter ,start / stop push buttons, Ammeter, Voltmeter , Indicating lamps, MCB with cable, etc. Providing & Fixing of ,Suction ,Delivery & Header Pipe "Providing & fixing of control Valve/Butterfly Valve In mainline for bypass and flow diversion of approved quality 3" Providing & fixing of Non-Return Valve to prevent back flow 3" "Providing and fixing of Direct burial 16 AWG x 1C cable for TWO way communication between Controller and valves" Providing and fixing of PVC conduit Pipe complete 32 mm "Providing and fixing of Pro-C - Controller with Output Module Internal transformer control system, cycle +soak, Rain delay, SOLAR SYNC controlling upto 1 master valve with diagnostic feature In wire short test, voltage test at stations, standard accessories Complete, Providing and fixing of 2" Solenoid globe ,Providing and fixing of direct bury -on wire connector with strain relief 1 with waterproof silicon sealant." Providing and fixing of Voltage stabiliser Brands:- i)Pipe & Valve:-Harit/Prince/Supreme, ii)HDPE Pipe:-Duraline /Times Technoplast/supreme, iii)SPRINKLERS, AUTOMATION & ACCESSORIES:- Rain Bird ,USA iv)FILTRATION UNIT:- Azud, Spain, v) Pumps:- Kirloskar/Crompton Greave /KSB/Willow etc complete as per direction of Engineer-in-Charge.	Job	3317037.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
10	Providing and laying of polypropylene fibers Geotextile separation barrier of 140 GSM as a separation and filtration layer in subsurface drainage systems beneath the outfield as per the standard procedure during construction, or as per Latest Guideline of ICC specification, Geotextile Type Non-woven needle-punched polypropylene complete as required etc.complete as per direction of Engineer-in-Charge. Mass per unit area $\geq 200 \text{ g/m}^2$ ASTM D5261 Grab tensile strength $\geq 8.0 \text{ kN/m}$ ASTM D4632 / EN ISO 10319 Elongation at break $\geq 50\%$ ASTM D4632 CBR puncture resistance $\geq 1.8 \text{ kN}$ ASTM D6241 Permeability (permittivity) $\geq 0.5 \text{ sec}^{-1}$ ASTM D4491 Apparent opening size (AOS) $\leq 0.212 \text{ mm}$ (No. 70 sieve) ASTM D4751 UV resistance (500 hrs) $\geq 70\%$ retained strength ASTM D4355	Sqm	199.00
11	Supplying and laying ISI-marked, perforated high-density polyethylene (HDPE) pipe of 150 mm nominal diameter and pressure rating of 10 kg/cm^2, laid in prepared trenches on a compacted granular sub-base, at 4-meter center-to-center spacing, including necessary excavation, provision of end caps, jointing, and all related accessories, complete in all respects as per the drawings, specifications, and as directed by the Engineer-in-Charge	Rmt	2445.00
12	Supplying and laying ISI-marked, perforated high-density polyethylene (HDPE) pipe of 300 mm nominal diameter and pressure rating of 10 kg/cm^2, laid in prepared trenches on a compacted granular sub-base, at 4-meter center-to-center spacing, including necessary excavation, provision of end caps, jointing, and all related accessories, complete in all respects as per the drawings, specifications, and as directed by the Engineer-in-Charge	Rmt	2910.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
13	Design, Supply, Installation, Testing and Commissioning of cricket ground 15630sqm Irrigation/sprinkler System as per sprinkler as per detailed design layout, site conditions requirement, scope of work to make sprinkler system operate smoothly. Including all material & Labour charges, piping, popup sprinkler with swing joints, all Cabling with conduit, Pumps (1 working + 1 standby) min. 7.5HP, Automatic Control Panel, Valves, Disc Filter, Clamps, NRV, Etc all complete to run Smooth Operation of Sprinkler.) complete as per direction of Engineer-in-Charge. Pop-up sprinkler having variable adjustable arc (50 to 360 degrees) nozzle capable of covering 15 to 21 mtr. The sprinkler shall have a minimum of 3-1/2-inch (9 cm) pop-up stroke to bring the rotating nozzle turret into a clean environment. The sprinkler shall be available as an a 6-inch (15cm), double acting air vacuum release 2 " Air release valve with Pressure Gauge The Air release valve shall be capable of both releasing and admitting air from and into the line. The working pressure shall be 5 bar. 12" ,6" & 10"" rectangular Valve Box with greenlid and corrugated structure with unique shovel access slot and bolt hole knockout AUTOMATIC BACKWASH FILTER - with capacity matching the Pump Design flow having a suitable inlet connections , to create helical effect in the incoming water. HYDROPNIMATIC VERTICLE MULTI STAGE pumpset of having discharge 6.0 lps@65 mtr head . (2W+ 1S) WITH PRESSURE TANK AND VFD SYSTEM set having panel box and fixed along with following accessories starter ,start / stop push buttons, Ammeter, Voltmeter , Indicating lamps, MCB with cable, etc. Providing & Fixing of ,Suction ,Delivery & Header Pipe "Providing & fixing of control Valve/Butterfly Valve In mainline for bypass and flow diversion of approved quality 3"" Providing & fixing of Non-Return Valve to prevent back flow 3"" "Providing and fixing of Direct burial 16 AWG x 1C cable for TWO way communication between Controller and valves" Providing and fixing of PVC conduit Pipe complete 32 mm "Providing and fixing of Pro-C - Controller with Output Module Internal transformer control system, cycle +soak, Rain delay, SOLARSYNC controlling upto 1 master valve with diagnostic feature In wire shorttest, voltage test at stations, standard accessories Complete, Providing and fixing of 2" Solenoid globe ,Providing and fixing of direct bury -on wire connector with strain relief 1 with waterproof silicon sealant." Providing and fixing of Voltage stabiliser Brands:- i)Pipe & Valve:-Harit/Prince/Supreme, ii)HDPE Pipe:-Duraline /Times Technoplast/supreme, iii)SPRINKLERS, AUTOMATION & ACCESSORIES:- Rain Bird ,USA iv)FILTRATION UNIT:- Azud, Spain, v) Pumps:- Kirloskar/Crompton Greave /KSB/Willow etc complete as per direction of Engineer-in-Charge.	Job	8075664.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
14	Preparation of cricket ground as per ICC norms of ground area around 20000sqm including all supplying and laying as per drawing/design and Including Cultivating By Rotavator all the ground and remove all jungle weeds and all the scraps and shifting all the debris at dumping station, Filling new good earth in the ground, Levelling by computerize leveler by Tractor, Levelling by Fanti with manual labor, Picking all the pebbles and stone by manual labor. ,Spreading organic fertilizer i.e. 1000 bag of Bio-compost, 100 bags of Neem khali,5 bags of M.O.P,5 bags of D.A.P,5 bags of urea,5 bags of Amonium sulphate,5 bags of potash,100 kg High tech Zinc and 50 kg of Humocial etc., Anti-Termite all the ground., Laying of grass selection No.1., Time weeding of unwanted grass., Watering and Rolling the ground, Cutting the grass properly for ready carpet,Three month maintenance after laying the grass, complete as per direction of Engineer-in-Charge.	Sqm	601.00
15	Preparation of Cricket pitch 5no of size 100 feet x 10 feet each as per Internation cricket standards as specified below, Excavation of earth 1'-6' depth., Shifting of earth from pitches to outside, Laying of 4"layer of brick blast, filling of Yamuna sand compact with roller, Filling of 4" layer of cores sand double washed and compact with roller manually,Filling of fine sand 4" layer and compact by roller manually, Filling of 4" layer of Lumbee sand &compacting by roller manually, Pouring of black clay 10" layer after breaking special size of 12 mm, Plantation of grass selection no 1 on pitches, Anti-Termite all the wickets, Top dressing with Bulli sand after grass cutting with zero machine, Watering and rolling with manual labour 10 labour for Twenty days, Marking All the Pitches complete as per direction of Engineer-in-Charge. As Per guildine of ICC	Set	4712325.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
16	Supply of Automatic Pop-Up Sprinkler system for Hockey feild of area around 7920sqm (110m x72m FOP) consisting of HDPE pipe of 160mm - 30 meter from water source to corner of the hockey field & 110mm - 350 meter ring on hockey field periphery of pressure rating 12.5kg/cm2 conforming to IS:4984 (1995) ,6 nos Large Radius Pop-Up Sprinkler of 45 meter radius capable of discharging 14.5 lps @ 6 bar from the periphery with 6 nos nylon glass field solenoid valve of 3" inlet size covered with 20" Jumbo Valve box, Programmable single key start controller for auto operation of the solenoid valves and pump through pump start relay with safety valves (Contineous Air Release Valve of aluminium & Quick Pressure Relief Valve made of brass to ease out the pressure in case of any issue with solenoid valve or with system), 2 nos of Disc Filter with heavy duty metallic clamp (50m3/hr discharge capacity) for keeping the system safe from foreign particle. With centifugal pump set with 50.H.P motor (TEFC 2 pole 3000 rpm) complete with mechanical seal,base frame, coupling, 30 meter single core cable of 16 sq mm copper, Star-Delta Control Panel with single phase preventer, Low level protection censor for dry Brands:- i)Pipe & Valve:- Harit/Prince/Supreme, ii)HDPE Pipe:-Duraline /Times Technoplast/supreme, iii)SPRINKLERS, AUTOMATION & ACCESSORIES:- Rain Bird ,USA iv)FILTRATION UNIT:- Azud, Spain, v) Pumps:- Kirloskar/Crompton Greave /KSB/Willow etc.complete as per direction of Engineer-in-Charge.	Job	3829090.00
17	Supplying and installation of FIH approved Global Category Synthetic Hockey surface from a FIH Preferred Supplier having synthetic turf of minimum 13mm pile height and with minimum 15mm cast in-situ shockpad on prepared bituminous surface with laying & jointing as per FIH requirement & the pasting of sythetic turf as per manufacturer recommendation & maintaining International Hockey Federation (FIH) specifications including all marking on the surface as per FIH rules and standard etc. complete as per the instructions of the engineer-in-charge. Synthetic Hockey Turf should be from European/Australian/American origin only and UV protected. The scope includes testing and certification conforming to Global Category FIH. Colour of the turf: Blue or as per client selection. Manufacturer - ACT (Spain)/SYNCOTTS/EBACO/MICEZO	Sqm	8201.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
18	Supplying of aluminum Hockey Goal Post- • Uprights & Crossbars made from 75mm x 50 mm aluminium • Fully welded corner joints provide superior strength and added safety • Back bar consists of a single weighted tube with 2 rubber wheels allowing for easy movement 460mm high aluminium backboard panels with absorbent impact noise reducing carpet on all inside faces. Powder-coated white front Structure, net supports, and Green backboards. Size: - 3.66m x 2.14m 3mm as per FIH specification Goal Post etc.complete as per direction of Engineer-in-Charge.	Pair	521205.00
19	Supplying and Installation of Synthetic Turf laid by FIH certified field builder and jointing and fixing the same on the sub base and the pasting of synthetic grass including all marking on the surface as per FIVB/IKF/IKKF rules and standard etc. complete as per the instructions of the engineer-in-charge. (For Volleyball, Kho-Kho & Kabbadi)	Sqm	5091.00
20	Supplying and erection of Volley Ball Pole Fixed Type Made of 3" x 4" Mild Steel pipe 2.55m height adjustable with inside special ratchet system for tightening the net design according to ASTM F2950 or EN 1271.. As per U.S. standard: ASTM F2950-14/ European standard:EN 1271:2015 This enables perfect tension control for the net. Use of branded MRF Epoxy paint. complete as per the instructions of the engineer-in-charge.	Pair	63836.00
21	Supplying and fixing of Fixed type Aluminium Tennis pole made of 80mm x 80mm square pipe 1.07m Height as per International Tennis Federation with special internal ratchet system for tightening the net. This enables perfect tension control for the net. Top cover made from Cast Aluminium with pulley. To Use of Branded Epoxy paint (MRF) complete as per the instructions of the engineer-in-charge.	Pair	45151.00
22	Supplying & erection of basketball Pole as per FIBA Regulations (International Level) made of 8" dia pipe with 3.2 meter projection and basketball board transparent acrylic imported 25mm thick size 180cm x 105cm with dunking ring, net and frame. Ring is bolted through the backboard into the main frame construction for extra strength and durability Use of branded MRF Epoxy paint. (B.B.8.3.2.25) complete as per the instructions of the engineer-in-charge.	Pair	246192.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
23	Supplying & erection of Hand Ball Goal post as per International Handball Federation movable in ground type made of 80 x 80mm Heavy MS pipe size 3m x 2m with back support made of 1.5” heavy pipe and PU wheels. Special net lock made of PVC for easily hanging the net. Fully welded corner joints provide superior strength and added safety for players. Use of branded MRF Epoxy paint. complete as per the instructions of the engineer-in-charge.	Pair	110291.00
24	Supply and Installation & preparation of 5 no cemented practice cricket pitch with Factory finished 4m WIDE x 22m Long x 3m height Cricket cage with special Connector to connect horizontal and vertical post of size ϕ 42 mm (OD) 2 mm thick GI with Green powder coated factory finished horizontal vertical post, vertical post fixed on 400 x 400 x600 mm nominal reinforced concrete foundation M25 grade or fixed with anchor fastener on existing reinforced concrete at 3 Mtr center to center distance, Horizontal post installed at Top, middle and Bottom location with the help of special casting connectors. 2mm thick nylon mesh of size 50 mm X 50 mm covered on top, side and roof, etc.Complete, The cricket cage system should sustain the impact of the ball, inner side should be free from any projected parts/joints complete as per the instructions of the engineer-in-charge.	Set	8607883.00
25	Supply & laying of (9+2) mm synthetic PU flooring approved by FIVB/FIBA/IHF/BWF for Multipurpose courts. The Synthetic Flooring should conform to the following specifications: Shock absorption 27%: Standard deformation 1.1mm: Rolling Load 1500: Impact resistance at 10 c >8 Nm: Residual impression 0.20mm: Ball rebound 96-99%: Sliding properties 88-102 as per EN 14904 Standard. Product to be only of European, American, Australian or Indian Origin. The Product must be approved by FIVB, FIBA, IHF and BWF. (INDOOR HALL SPORTS FLOORING) complete as per the instructions of the engineer-in-charge.	Sqm	9679.00
26	Removal of old synthetic hockey turf of entire field by manual, mechanical means and disposing the same as directed, within a lead of 50m.	Sqm.	85.00
27	Removal of existing Shock pad 15mm thick layer of entire field by mechanically or manually and disposing the same as directed.	Sqm.	60.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
28	Supplying and installation of FIH approved Global Category Synthetic Hockey Turf of the highest quality standard, which is used in FIH international competitions like Olympic Games, World Cups, Championships, Commonwealth Games etc. from a FIH Preferred Supplier having synthetic turf of minimum 13mm pile height and with minimum 15mm cast-in-situ shockpad on prepared bituminous surface with laying & jointing as per FIH requirement & the pasting of sythetic turf as per manufacturer recommendation & maintaining International Hockey Federation (FIH) specifications including all marking on the surface as per FIH rules and standard etc. complete as per the instructions of the Engineer-in-charge. Synthetic Hockey Turf should be from European/Australian/American origin only and UV protected. The scope includes testing and certification conforming to Global Category FIH. Colour of the turf: Blue or as per client selection. Material of the Turf - Polyethylene.	Sqm.	6720.00
29	Supply, Installation, Testing & Commissioning (SITC) of one (01) movable dug-out for hockey stadium. Capacity of dug-out must be for 11 persons seating, all structure must be MS tubular frame (min. 50×50×3 mm) & Anti-rust primer + weatherproof paint finish, body covering with SS-304 stainless steel sheets (min. 1.2 mm thick) Properly fixed with stainless steel fasteners Roof Covering must be UV stabilized polycarbonate sheet (6–8 mm thick) with Approved shade & Weather resistant & impact resistant Seating 11 nos. individual molded HDPE / PP seats with backrest Weather resistant, ergonomically spaced Mobility with Heavy-duty turf-friendly polyurethane wheels (min. 150 mm dia) Minimum 2 wheels with locking brake system Finish & Safety Smooth rounded edges, Corrosion resistant, Suitable for outdoor stadium conditions Warranty: Minimum 12 months from date of commissioning	Each	852550.00
30	Supplying and fixing of hockey goal post as per FIH standard including all fittings.	Set	451350.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
31	Providing and fixing of 60mm thick, perforated, Pre cast RCC drain cover of size 600 x 600 x 60 mm with 1" dia (8 to 12 nos round hole) with 8mm rods @ 100mm c/c over the walls of drain at proper level for ease flow of water and both side of precast will be filled by cc 1:1.5:3 incl. side shuttering etc. complete in all respect as per direction of Engineer-in-charge.	Sqm.	4112.00
32	Repair Sprinkler System	Job	732190.00

SPECIALIZED ITEM - SWIMMING POOL

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Supplying, installation and commissioning of Equipments for Olympic Size Swimming Pool (50m x25m) 1. Filtration Unit: Vertical fiberglass filter (2.0m dia) with polyester shell, liner, and polypropylene/PVC internal network.Filtrating capacity: 110,000 L/hr with 3.14 m² filter bed area @ 40,000 L/sqm/hr.Inlet/outlet: 160 mm dia flanged (min. outlet dia 125 mm).Supplied complete with first charge of sand media. 2. Valves & Accessories: Valve battery: 5 nos. of 160 mm dia PVC butterfly valves with zinc-plated supports, pressure gauges, and fixing hardware.Valve sizes not less than 125 mm. 3. Pumps: Recirculation pumps (3 duty + 1 standby), 10 HP, 7.5 kW, IE3, 3-phase 400V, 125 m³/hr @ 13m head. Self-priming, ultra-quiet, corrosion-resistant.Chemical dosing pump: 20 LPH @ 7 bar.Trolley-mounted Kirloskar centrifugal pump set (3 HP), with switchboard, starter, and control wiring. 4. Pool Fittings: Adjustable floor inlets (2" threaded, 9–12 m³/hr).Main drains: SS (500×500 mm, 100 m³/hr) & ABS (225×225 mm, 20 m³/hr overflow).ABS deck gratings (300 mm wide), support profiles (35 mm high).SS316 ladder (5-step, 500 mm wide, non-slip, overflow type). 5. Underwater Lighting: SS316 wall-mounted LED lights (60W, 12V, warm white, IP68).ABS deck boxes for cable connections.SMPS LED driver (100W/12V). 6. Piping: UPVC 10/6 kg/cm² piping with all necessary fittings and wall/ceiling support systems for inlet, suction, and drainage. 7. Electrical Control Panel: CPRI-approved MCC panel (415V, 3-phase, IP52, floor-mounted), complete with star-delta starters, metering instruments, SPP, and wiring up to pumps and lights. 8. Competition Equipment: SuperBlock 750 mm top with 5-point track start. SS316 backstroke poles with flags and false start pole & rope sets (for 21m, 25m, 50m pools). Aluminium lane storage reel (holds 6x25m MIDI or 2x50m MAXI lanes). 9. Water Treatment (UV): Commercial UV unit – VGE Pro 600-219 (SS316L), 140 m³/hr flow, 400 J/m² UV dose, 6 BAR pressure, 125 mm flanged, AOP capable.Perpendicular UV lamp with SMART PIN Technology, 16,000-hour lamp life.Includes sensors, control panel, and monitor. etc.complete as per direction of Engineer-in-Charge. 10.Electrical Control Panel, CPRI Approved, factory made, for Pump /lights , chemical dosing pump including motor , heat pump control panel (MCC) suitable for 415 V, 3 phase, 4 Wires, 50 Hz, fabricated out of 16 SWG CRCA steel Sheet, IP 52, Floor mounting type, The steel sheet shall undergo minimum seven tank treatment followed by finishing powder coating of min. 60 microns thickness. Star delta starters with SPP, 3 Nos. of phase indicating lights, flush mounted Ammeter, Voltmeter, Selector Switches, Protective fuses.The board includes removable gland plates, cable glands, including connection with outgoing feeders complete with all respects. also includes all required cabling from Panel to Pumps with Cable, Cable Trays, Conduits, ect. within Plant Room. 11.Commercial VGE UV system Model VGE pro 600-219 is designed to work at Medium pressure capable to dose UV at a rate of 400J/m². The unit shall be made of SS316L body with U shape irradiation reactor chamber with 6 BAR maximum pressure rating. The unit shall be capable to work around 140 cumtr/ hr flow with a 125mm connection. The unit shall used AOP , Advanced oxidation processes . The UV comes with control panel and monitor with sensors to check UV & temperature. The units UV Lamp shall be placed to perpendicular to the direction of flow. The Lamp base shall be equipped with SMART PIN TECHNOLOGY where the lamp shall be removed when the system is pressurised. The UV lamp expected life time shall be 16000 hrs. The end connections shall be of 125mm dia SS flanges. .(Multiple qty of residential not allowed) 12.ozone generator system for pool water disinfection, suitable for a 700 m³ Olympic swimming pool filtration system, including all necessary components, accessories, and controls. Ozone Output: 3–5 g O₃/hr per 100 m³ (approximately 21–35 g/hr for 700 m³ pool) Technology: Corona Discharge (CD) or UV Ozone Generation Technology Ozone Concentration: ≥ 90% Ozone Production: Minimum of 20 g/hr to 35 g/hr of ozone depending on system efficiency Ozone Contact Time: Adjustable, designed to ensure adequate contact time for effective disinfection Ozone Destruction Unit: Integrated ozone destruct unit to break down any residual ozone before being released into the atmosphere Power Supply: 230V or 415V, 50Hz, three-phase power supply as per site requirements Temperature Range: Operable at temperatures of 5°C to 45°C Electrical Control: PLC-based control system with digital display for monitoring and adjustment Air Supply: Suitable for integrating with a dry air compressor (supplied separately or integrated) Ozone Generation Cell: High-efficiency ozone generation cells made from corrosion-resistant materials like ceramic or stainless steel	Job	61299704.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
2	Supplying installation and commissioning Equipments for Swimming Pool (25m x12.5m) 1. Filtration Unit: vertical fibre glass filter of 1.800M dia made of polyester shell with a liner employing special version with polypropylene arm collector, and PVC distribution network with a net filtering area of 3.14Sq.m capable of filtering @76000Ltr / hr / at 40000Ltrs / Sq.m/ hr of filter bed area with inlet & outlet opening of 110mm dia flange.. 2. Valves & Accessories: Valve batteries made in Zinc plated steel, consisting of 5 Nos, 110mm dia PVC butterfly Valve, suitable mounting supports, pressure gauge with required size inlet. outlet, flanges & 2 support brackets with suitable clamps & fixing screws. (valve size cannot be lesser than 125mm dia & respective piping) 3. Pumps: Centrifugal self-priming pump with high hydraulic efficiency, chemical resistant and ultra-quiet operation. Integrated along with IP-55 protection- class F continuous rating high efficiency IE3 motors. Pump shall be of two-piece body made in polypropylene 30%+ GF, integrated polypropylene 30% + GF pre-filter with strainer basket, fast opening translucent transparent polycarbonate lid, easy opening metal knob lid system, 316 SS Shaft and mechanical seal. Bronze impeller, flanged end connections 125mm suction & 100mm return union connections, Horse power: 7.5 HP,5.5 Kw, Phase: III phase 400V, FLOW CONDITIONS =88m³/hr @ 14 m water head. with 5 year warranty (MAXIMUM POWER CANNOT BE MORE THAN 10HP & IT MUST BE IE3 MOTORS) 4. Pool Fittings: Adjustable floor inlets (2" threaded, 9–12 m³/hr).Main drains: SS (500×500 mm, 100 m³/hr) & ABS (225×225 mm, 20 m³/hr overflow).ABS deck gratings (300 mm wide), support profiles (35 mm high).SS316 ladder (5-step, 500 mm wide, non-slip, overflow type)., stainless steel ladder 4 step made of SS316 with non slip surface, 500mm wide with hand rails. 5. Underwater Lighting: SS316 wall-mounted LED lights (60W, 12V, warm white, IP68).ABS deck boxes for cable connections.SMPS LED driver (100W/12V). 6. Piping: UPVC 10/6 kg/cm² piping with all necessary fittings and wall/ceiling support systems for inlet, suction, and drainage. 7. Electrical Control Panel: CPRI-approved MCC panel (415V, 3-phase, IP52, floor-mounted), complete with star-delta starters, metering instruments, SPP, and wiring up to pumps and lights. 8. Competition Equipment: Superblock 750 mm top with 5-point track start. SS316 backstroke poles with flags and false start pole & rope sets (for 21m, 25m, 50m pools). Aluminium lane storage reel (holds 6x25m MIDI or 2x50m MAXI lanes). 9. Water Treatment (UV): Commercial UV unit – VGE Pro 600-219 (SS316L), 140 m³/hr flow, 400 J/m² UV dose, 6 BAR pressure, 125 mm flanged, AOP capable. Perpendicular UV lamp with SMART PIN Technology, 16,000-hour lamp life.Includes sensors, control panel, and monitor. etc.complete as per direction of Engineer-in-Charge. 10. Electrical Control Panel, CPRI Approved, factory made, for Pump /lights , chemical dosing pump including motor , heat pump control panel (MCC) suitable for 415 V, 3 phase, 4 Wires, 50 Hz, fabricated out of 16 SWG CRCA steel Sheet, IP 52, Floor mounting type, The steel sheet shall undergo minimum seven tank treatment followed by finishing powder coating of min. 60 microns thickness. Star delta starters with SPP, 3 Nos. of phase indicating lights, flush mounted Ammeter, Voltmeter, Selector Switches, Protective fuses.The board includes removable gland plates, cable glands, including connection with outgoing feeders complete with all respects. also includes all required cabling from Panel to Pumps with Cable, Cable Trays, Conduits, ect. within Plant Room. 11. Commercial VGE UV system Model VGE pro 600-219 is designed to work at Medium pressure capable to dose UV at a rate of 400J/m2. The unit shall be made of SS316L body with U shape irradiation reactor chamber with 6 BAR maximum pressure rating. The unit shall be capable to work around 140 cumtr/ hr flow with a 125mm connection. The unit shall used AOP , Advanced oxidation processes . The UV comes with control panel and monitor with sensors to check UV & temperature. The units UV Lamp shall be placed to perpendicular to the direction of flow. The Lamp base shall be equipped with SMART PIN TECHNOLOGY where the lamp shall be removed when the system is pressurised. The UV lamp expected life time shall be 16000 hrs. The end connections shall be of 125mm dia SS flanges.	Job	41709383.00
3	Providing of Safety polyethylene outer swim Lifebuoys ring dia 600 mm	Each	14025.00
4	Providing Lifeguard Loop, life saving hooks made of AISI-304 stainless steel to be used with telescopic handles.	Each	13090.00

SPECIALIZED ITEM - KITCHEN EQUIPMENT

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 THREE BURNER INDIAN RANGE WITH SPLASH GUARD WITH ONE UNDER SHELF/WITH HEAVY DIE CAST IRON / TOP SWG 16 / SIDE & BOTTOM SWG 18 / ALL SS 304/ STRUCTURE ON SS 38 MM SQR PIPE SWG 16 (SIZE 1800X600X1050+150MM)	Each	36108.00
2	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 TWO BURNER INDIAN RANGE WITH SPLASH GUARD WITH ONE UNDER SHELF/WITH HEAVY DIE CAST IRON / TOP SWG 16 / SIDE & BOTTOM SWG 18 / ALL SS 304/ STRUCTURE ON SS 38 MM SQR PIPE SWG 16 (SIZE 1200X600X1050+150MM)	Each	25827.00
3	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304M3 BURNER CHINESE RANGE WITH SPLASH GUARD / WITH WATER DRAINAGE SYSTEM / WITH ONE UNDERSHELF / WITH NYLON BULLETS / TOP SWG 16 / SIDE AND BOTTOM SWG 18 (SIZE 1500X750X750+600MM)	Each	42628.00
4	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 SINGLE BURNER STOCK POT RANGE WITH CROSS BRACING (SIZE 600X600X600)	Each	13791.00
5	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 SINGLE SINK WITH WORK TABLE WITH SPLASH GUARD AND UNDERSHELF WITH DRAINAGE MESHER (SIZE 1200X600X750+450X600 +300X600 MM)	Each	30592.00
6	PROVIDING AND FIXING OF SS 4 DOOR REFRIGERATOR OF 1000 LTRS / FOUR DOOR / WITH SELF TYPE CLOSING DOOR / WITH PUFF INSULATION ALL COMPLETE (SIZE 2440X750X2050MM)	Each	106080.00
7	PROVIDING AND SUPPLYING OF DEEP FREEZER 550LITER-MAKE VOLTAS / BLUESTAR / ECOFROST / CELFROST	Each	25024.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
8	PROVIDING AND SUPPLYING OF SS PICKUP COUNTER WITH 2 UNDERSHELVES AND 2 PICKUP OVERHEAD SHELVES (1500 X 600 X 850 + 450 + 300)	Each	28084.00
9	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 PICKUP COUNTER WITH 2 UNDERSHELVES AND 2 PICKUP OVERHEAD SHELVES (SIZE 1200X600X750+450X600 MM)	Each	22066.00
10	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 PICKUP COUNTER WITH 2 UNDERSHELVES AND 2 PICKUP OVERHEAD SHELVES (SIZE 2100X600X750+450X600 MM)	Each	39318.00
11	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 WORKING TABLE / CHOPPING TABLE WITH 1 UNDERSHELVE (SIZE 1500X600X1050 MM)	Each	15045.00
12	SS PULVERISER MACHINE MADE WITH 2 HP COPPER WINDING MOTOR HEAVEY DUTY ISI MARKED	Each	16102.00
13	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 WET GRINDER 10 LTRS HEAVEY DUTY ISI MARKED	Each	17952.00
14	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 DOUGH KNEADER - 15 KGS PER CHARGE HEAVEY DUTY ISI MARKED	Each	32640.00
15	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 POTATO PEELER MAKE COIMBATORE - 10 KGS / CHARGE HEAVEY DUTY ISI MARKED	Each	32096.00
16	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 VEGETABLE CHOPPER 2 HP MOTOR	Each	31008.00
17	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 HOT PLATE / DOSA RANGE / STAND ALONE / WITH SPLASH GUARD / WITH GREASE DRAINAGE / WITH GREASE COLLECTOR / WITH UNDERSHELF / THICK 12 MM POLISHED TAWA (SIZE 120X600X1050+100MM)	Each	34604.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
18	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 SQUARE DOUBLE WALL TANDOOR / WITH JODHPURI HANDI / WITH HEAVY NYLON CASTORS / GLASSWOOL INSULATED / HANDLE ALL THE SIDES / BODY SWG 16 / TOTAL SS 304 BODY (SIZE 750X750X1050+100MM)	Each	28084.00
19	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 4 BURNER CONTINENTAL RANGE WITH SPLASH GUARD / WITH CRUMBS TRAY / WITH 1 UNDERSHELF / WITH SPLASH GUARD (SIZE 1200X750X1050+150MM)	Each	44132.00
20	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 CHAPATI PUFFER / WITH BULLET PUFFERS / WITH UNDERSHELF / WITH SPLASH GUARD / STAND ALONE (SIZE 1200X750X1050+150MM)	Each	36610.00
21	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 DISH LANDING WITH GARBAGE CHUTE / WITH CROSS BRACING / WITH NYLON CLUTCH (SIZE 1200X750X1050)	Each	13541.00
22	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 TRIPLE SINK / WITH CROSS BRACING WITH SLOPE TYPE BORDER (SIZE 1500X600X300)	Each	31595.00
23	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 PERFORATED DISH RACK WITH 5 SHELVES (SIZE 1500X450X900)	Each	18556.00
24	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 POT RACK WITH 3 SHELVES (SIZE 1800X450X900)	Each	20060.00
25	PROVIDING AND FIXING OF MS ANGLE RACK 5 SHELVES (SIZE 1800X450X900)	Each	1755.00
26	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 ONION POTATO BIN / PERFORATED / WITH LID WITH LOCKS (SIZE 1500X600X600)	Each	25075.00

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
27	PROVIDING AND FIXING OF MANUFACTURED AND FABRICATED WITH S.S. 304 WATER COOLER / WITH PUFF INSULATION / WITH THERMOSTAT / WITH 2 TAP / WITH OVERFLOW PROTECTOR / WITH DRAINAGE TRAY / WITH KIRLOSKAR COMPRESSOR / TOTAL SS 304 BODY / 1 YEAR WARRANTY COMPRESSOR / HEAVY NYLON HEIGHT ADJUSTABLE BULLETS	Each	43520.00
28	PROVIDING AND FIXING OF 15MM" C-CLASS M.S. GAS PIPELINE WORK WITH REGD ELBOW SOCKET BEND ETC. COMPLETE	Mtr.	247.00
29	PROVIDING AND FIXING OF 1X6 Manifold with valve brackets cylinder Pistal 3" NV Adopter (United and Suraksha)	Each	1020.00
30	PROVIDING AND FIXING OF Gas Regulator I stage	Each	765.00
31	PROVIDING AND FIXING OF Gas Regulator II stage	Each	935.00
32	PROVIDING AND FIXING OF M.S. Ball valve 1/2"	Each	383.00
33	Providing and fixing of Chimney burner hood 450x 600 made with 1mm thick stainless steel sheet 304 with removal type oil filter and grease collector arrangement complete	Rft.	6018.00
34	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required. 28.17.4 Thickness 1.25 mm sheet	Sqm.	780.00
35	Supplying, installation, testing and commissioning of following sizes heavy duty (continuous running) 1400 rpm exhaust fan in existing opening in wall including earthing etc. complete as required. 450 mm sweep	Each	3594.00

SPECIALIZED ITEM - MISCELLANEOUS WORK

S.N.	DESCRIPTION OF ITEM	UNIT	REDUCED RATE
1	2	3	4
1	Providing and fixing False start float rope polyester cord and float. (Float length 25 M) Make Like SWILL, Canam Aqua, NEXUS	Each	36555.00
2	Providing and fixing Backstroke flage rope with 2 polyester cord and flage. (cord length 25m) Make Like SWILL, Canam Aqua, NEXUS	Each	69935.00
3	Providing of Safety polyethylene outer swim Lifebuoys ring dia 600 mm Make Like SWILL, Canam Aqua, NEXUS	Each	14025.00
4	Labour only for filling empty cement bags with sand including stitching with sutli and stacking.	Each	9.35
7	Providing and fixing Glass Reinforced Concrete (G.R.C) screens in approved size, pattern, design, thickness and approved color from f M/S UniStone or equivalent approved. The screens should be made from '53 grade' Cement manufactured by 'JK Cement' or equivalent, Fine graded Quartz & Silica Sand, Alkali Resistant Glass Fiber manufactured by 'N.E.G. JAPAN' or equivalent, Super Plasticizers manufactured by 'BASF' or equivalent, Polymers manufactured by 'BASF' or equivalent and U.V resistant Synthetic inorganic pigments should be used for pigmentation manufactured by 'BAYFERROX (Germany)' or equivalent. The material casting should take place in FRP Mould or equivalent. The fixing of Screens should be done with 'Dry fixing' methodology i.e. to be done with M.S. Galvanized 'L' shaped Clamps, dash fasteners and pins, as per approved shop drawings from Engineers in charge. Rates are inclusive of all the operations described above for all heights and leads including all scaffolding ,staging ,T&P and sundries etc.	Sqm.	6515.00
8	Providing & fixing of good quality fabrics jute type mini bag @ 250gm./sqm. with proper pasting & stitching on plywood surface on both sides, the Satisfaction of EOC, as per instruction.	Sqm.	495.00
9	Providing & fixing of good quality castors swivel mounted with 6 wheels (zipco or equivalent) for movement of stage wings to satisfaction of EIC.	Nos.	865.00