BAHAGIAN L
SENARAI KUANTITI

MENAIKTARAF SISTEM PENCEGAHAN KEBAKARAN, SISTEM PENDAWAIAN, SISTEM BEKALAN AIR DOMESTIK DAN LAIN-LAIN KERJA BERKAITAN DI KOMPLEKS REKREASI DAN KOMUNITI TAMAN UNGKU TUN AMINAH, SKUDAI, JOHOR

RINGKASAN SENARAI KUANTITI

BIL.	BAHAGIAN	MUKA SURAT	JUMLAH (RM)
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JUMLAH KESELURUHAN			

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
A	PRELIMINARIES NOTES TO CONTRACTOR This portion of work for the Preliminaries shall be carried out by a Registered Civil or General Works Contractor. All installation and preparatory works must comply with the requirements and regulations set forth by relevant authorities including Majlis Bandaraya Iskandar Puteri (MBIP), Department of Environment (DOE), and any other pertinent regulatory bodies. These regulations must be strictly adhered to as outlined in the approved drawings, project specifications, and national codes to ensure that the All lengths, quantities, and extents indicated are PROVISIONAL. Actual works completed shall be measured on site, and payments adjusted accordingly. Tenderers are advised to visit the site prior to tender submission to verify the extent of works required. Refer to the drawings,specifications, and site instructions for scope confirmation. All prices quoted shall include the complete supply, delivery, execution,and making good of the relevant items, complete with all necessary equipment, labor, tools, and disposal arrangements. All works shall be carried out in accordance with the drawings, specifications, and best construction practices, ensuring quality workmanship and proper clearance to the satisfaction of the Engineer and relevant authorities. Unless otherwise stated, all items shall include the cost of providing,executing, maintaining, coordinating, and subsequently removing or handing over the works as required, including all associated labor,materials, equipment, approvals, protection, and compliance with regulations. No separate claims shall be entertained for incidental or related costs not specifically listed.				
A.1	INSURANCES TO PROVIDE ALL INSURANCES REQUIRED UNDER THE CONTRACT, INCLUDING BUT NOT LIMITED TO CONSTRUCTION ALL RISK (CAR) INSURANCE, PUBLIC LIABILITY INSURANCE, WORKMEN'S COMPENSATION (WC), AND ANY OTHER STATUTORY INSURANCES AS REQUIRED BY LAW, THE CONTRACT, OR THE RELEVANT AUTHORITIES. THE INSURANCE POLICIES SHALL BE VALID FOR THE FULL DURATION OF THE CONTRACT PERIOD, INCLUDING ANY APPROVED EXTENSIONS, AND SHALL COVER ALL PERSONNEL, WORKS, EQUIPMENT, AND THIRD-PARTY RISKS. ALL PREMIUMS, DEDUCTIBLES,ENDORSEMENTS, AND DOCUMENTARY SUBMISSIONS SHALL BE BORNE BY THE CONTRACTOR AND SUBMITTED TO THE S.O. OR ENGINEER FOR VERIFICATION AND RECORD.	PUKAL	-		
A.2	PERFORMANCE BOND OR WANG JAMINAN PELAKASANAAN (WJP) CONTRACTOR SHALL PROVIDE A PERFORMANCE BOND FOR A SUM NOT EXCEEDING 2.5% OF THE TOTAL CONTRACT VALUE, VALID UNTIL THE EXPIRY OF THE DEFECTS LIABILITY PERIOD. ALTEMATIVELY, SUBJECT TO THE EMPLOYER'S INSTRUCTION, THE CONTRACTOR MAY OPT FOR A WANG JAMINAN PELAKSANAAN (WJP) ARRANGEMENT WHEREBY 5% RETENTION IS DEDUCTED FROM INTERIM PAYMENTS. NO SEPARATE PRICING IS REQUIRED FOR WJP. THE COST OF FURNISHING A PERFORMANCE BOND, IF OPTED, SHALL BE DEEMED INCLUDED.				
A.3	PROJECT SIGNBOARD TO SUPPLY, INSTALL, AND DISMANTLE A PROJECT SIGNBOARD AS PER MBIP REQUIREMENTS AT THE DESIGNATED LOCATION. THE SIGNBOARD SHALL DISPLAY ALL NECESSARY PROJECT INFORMATION INCLUDING PROJECT TITLE, CLIENT, CONSULTANTS, CONTRACTOR DETAILS, AND OTHER STATUTORY INFORMATION AS INDICATED IN DRAWING NO.: TD/NHK/2024/014/M/FP-24. THE BOARD SHALL BE CONSTRUCTED USING APPROVED WEATHER-RESISTANT MATERIALS WITH CLEAR LETTERING AND LAYOUT AS PER AUTHORITY GUIDELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBMISSIONS, APPROVALS, STRUCTURAL SUPPORTS, PAINTING, LIGHTING (IF REQUIRED), AND MAINTENANCE THROUGHOUT THE CONSTRUCTION PERIOD.	NO	1		
A.4	INSPECTION OF SITE TO CARRY OUT SITE INSPECTION AND PREPARE A COMPREHENSIVE DILAPIDATION REPORT COVERING ALL EXISTING CONDITIONS INCLUDING ACCESS ROUTES, AVAILABLE UTILITIES, ADJACENT STRUCTURES, ROADWAYS, SITE CONSTRAINTS, AND SURROUNDING FACILITIES PRIOR TO COMMENCEMENT OF WORKS. SCOPE INCLUDES ON-SITE MEASUREMENT, PHOTOGRAPHIC DOCUMENTATION, CONDITION ASSESSMENT, AND VERIFICATION WITH RELEVANT STAKEHOLDERS OR AUTHORITIES. CONTRACTOR SHALL ENGAGE A QUALIFIED PROFESSIONAL TO PREPARE AND SUBMIT THE REPORT TO THE S.O. AND RELEVANT PARTIES FOR RECORD AND REFERENCE.	PUKAL	-		
A.5	TEMPORARY STORAGE FOR MATERIALS TO PROVIDE, MAINTAIN, AND LATER REMOVE TEMPORARY STORAGE SPACE FOR MATERIALS AND EQUIPMENT ON SITE, INCLUDING SECURE STORAGE CONTAINERS OR ALLOCATED LOCKED ROOMS. THE STORAGE AREA SHALL BE DRY, WELL-VENTILATED, AND PROTECTED FROM WEATHER, VANDALISM, AND THEFT. THE SCOPE SHALL INCLUDE NECESSARY SUPPORTS, PALLETS, RACKS, COVERINGS, AND ACCESS ARRANGEMENTS. CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND OTHER TRADES TO AVOID OBSTRUCTION AND ENSURE SAFE, ORDERLY HANDLING OF STORED ITEMS. NOTE: LOCATION TO BE APPROVED BY S.O.	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
A.6	WATER AND ELECTRICAL SUPPLY TO ARRANGE, PROVIDE, AND MAINTAIN TEMPORARY WATER AND ELECTRICAL SUPPLY NECESSARY THROUGHOUT THE CONTRACT PERIOD. THIS SHALL INCLUDE ALL CONNECTION FEES, FITTINGS, CABLING, HOSE LINES, METERING (IF REQUIRED), AND ASSOCIATED ACCESSORIES TO ENSURE UNINTERRUPTED SUPPLY. THE CONTRACTOR SHALL LIAISE WITH THE BUILDING MANAGEMENT OR LOCAL UTILITY AUTHORITIES FOR CONNECTION APPROVAL AND SHALL BEAR ALL COSTS FOR CORNSUMPTION, MAINTENANCE, PROTECTION, AND EVENTUAL REMOVAL UPON COMPLETION. (APPROX. 18 MONTHS)	PUKAL	-		
A.7	PROGRESS REPORTS AND PHOTOGRAPHIC DOCUMENTATION TO PREPARE, COMPILE, AND SUBMIT MONTHLY PROGRESS REPORTS AND PHOTOGRAPHIC DOCUMENTATION DETAILING THE STATUS OF ALL WORKS THROUGHOUT THE CONSTRUCTION PERIOD. REPORTS SHALL COVER MILESTONES RELATED TO INSTALLATION, TESTING, COMMISSIONING, MANPOWER DEPLOYMENT, MATERIAL DELIVERIES, AND INSPECTION RECORDS. ALL DOCUMENTATION SHALL INCLUDE PHOTOGRAPHIC EVIDENCE OF KEY ACTIVITIES SUCH AS CONCEALED WORKS, EQUIPMENT INSTALLATIONS, AND RECTIFICATIONS, WITH DATED AND CAPTIONED IMAGES IN HIGH-RESOLUTION DIGITAL FORMAT. THE REPORT SHALL ALSO TRACK REQUESTS FOR INFORMATION (RFIS). MATERIAL APPROVAL SUBMISSIONS (MAS), SHOP DRAWINGS, METHOD STATEMENTS, AND ALL PENDING OR APPROVED DELIVERABLES BY THE S.O. OR ENGINEER. SUBMISSIONS SHALL BE ORGANIZED WITH UPDATED GANTT CHARTS AND SUMMARIES OF KEY ISSUES AND RESOLUTIONS IN BOTH SOFTCOPY AND HARDCOPY FORMATS, AND PROPERLY ARCHIVED BY SYSTEM AND FLOOR LEVEL. (APPROX. 18 MONTHS)	PUKAL	-		
A.8	HOARDING TO SUPPLY, INSTALL, MAINTAIN, AND DISMANTLE EXTERNAL HOARDING TO SEGREGATE ACTIVE CONSTRUCTION ZONES OUTSIDE THE BUILDING, INCLUDING ISOLATION OF PUMP ROOMS, FIRE TANKS, PIPELINES, M&E ROOMS, FCC, ETC. AS INDICATED IN ARCHITECT DETAIL DRAWING NO; MBIP/TUTA/DD24. HOARDING SHALL BE CONSTRUCTED USING FIRE-RETARDANT PLYWOOD WITH SECURE ACCESS DOORS, PROPER SIGNAGE, AND NECESSARY SEALING FOR DUST AND NOISE CONTROL. ALL WORKS SHALL BE COORDINATED WITH BUILDING MANAGEMENT TO ENSURE MINIMAL DISRUPTION TO OCCUPANTS AND COMPLIANCE WITH SAFETY AND ACCESS PROTOCOLS. (APPROX. 30 M)	PUKAL	-		
A.9	SITE MANAGEMENT AND SUPERVISION				
A.9.1	TO PROVIDE FULL-TIME SITE MANAGEMENT AND SUPERVISION PERSONNEL INCLUDING A COMPETENT SITE AGENT, SUPERVISORS, C&S ENGINEER AND RELEVANT CONTRACTOR REPRESENTATIVES FOR THE DURATION OF THE WORKS. THE SITE AGENT SHALL BE RESPONSIBLE FOR COORDINATING DAILY SITE ACTIVITIES, LIAISING WITH THE ENGINEER, CONSULTANTS, BUILDING MANAGEMENT, AND RELEVANT AUTHORITIES, ENSURING COMPLIANCE WITH SPECIFICATIONS, SAFETY STANDARDS, AND WORK SCHEDULES. THE CONTRACTOR SHALL ENSURE THAT ALL SUPERVISORY STAFF ARE SUITABLY QUALIFIED AND EXPERIENCED, AND THAT PROPER RECORDS, REPORTS, AND SITE MEETINGS ARE ATTENDED AS REQUIRED.	PUKAL	-		
A.9.2	TO ENGAGE A CERTIFIED MEDIUM VOLTAGE (MV) COMPETENT PERSON (11KV) REGISTERED WITH SURUHANJAYA TENAGA AND TNB TO SUPERVISE AND ENSURE ELECTRICAL SAFETY DURING FM200 SYSTEM WORKS IN AN ENERGIZED TNB ROOM. SCOPE INCLUDES APPLYING FOR PERMIT-TO-WORK (PTW) FROM TNB, ON-SITE SUPERVISION, VERIFICATION OF ISOLATION PROCEDURES, REVIEW OF SAFETY DOCUMENTS, AND COORDINATION WITH TNB. ALL WORKS SHALL COMPLY WITH ENERGY COMMISSION REGULATIONS, AND ELECTRICITY SUPPLY ACT 1990, WITH FULL DOCUMENTATION SUBMITTED TO THE ENGINEER.	PUKAL	-		
A.10	SAMPLES AND CATALOGUES TO SUBMIT ALL NECESSARY SAMPLES, CATALOGUES, TECHNICAL DATASHEETS, AND PRODUCT CERTIFICATIONS FOR MATERIALS, EQUIPMENT, AND FINISHES PROPOSED FOR USE IN THE WORKS. SUBMISSIONS SHALL BE MADE IN ACCORDANCE WITH THE APPROVED PROCUREMENT SCHEDULE AND PROJECT SPECIFICATIONS, AND SHALL INCLUDE ALL REQUIRED INFORMATION FOR EVALUATION BY THE S.O. OR ENGINEER. ALL SAMPLES SHALL BE CLEARLY LABELED, STORED ON SITE IF NECESSARY, AND MADE AVAILABLE FOR INSPECTION AS DIRECTED. THE CONTRACTOR SHALL BEAR ALL COSTS FOR PREPARATION, DELIVERY, PRESENTATION, AND REPLACEMENT OF NON-COMPLIANT SAMPLES. APPROVAL OF SAMPLES DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH SPECIFICATIONS.	PUKAL	-		

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A.11	WORK PROGRAMME TO PREPARE AND SUBMIT A DETAILED WORK PROGRAMME USING APPROVED SCHEDULING SOFTWARE (E.G., MICROSOFT PROJECT OR PRIMAVERA), OUTLINING THE COMPLETE SEQUENCE OF WORKS, MILESTONES, CRITICAL PATH, LEAD TIMES, AND DEPENDENCIES. THE PROGRAMME SHALL REFLECT REALISTIC TIMELINES FOR PROCUREMENT, INSTALLATION, TESTING, AND COMMISSIONING, AND SHALL BE COORDINATED WITH OTHER TRADES AND THE OVERALL PROJECT SCHEDULE. REGULAR UPDATES SHALL BE SUBMITTED MONTHLY OR AS DIRECTED BY THE S.O. OR ENGINEER, INCORPORATING ACTUAL PROGRESS AND ANY APPROVED VARIATIONS OR DELAYS.	PUKAL	-		
A.12	LIAISING AND TESTING WITH LOCAL AUTHORITY TO CARRY OUT ALL NECESSARY LIAISON, COORDINATION, AND ARRANGEMENT WITH RELEVANT LOCAL AUTHORITIES AND UTILITY AGENCIES FOR INSPECTIONS, TESTING, APPROVALS, AND CERTIFICATIONS RELATED TO THE WORKS. THIS INCLUDES PREPARATION. AND SUBMISSION OF FORMS, DRAWINGS, TEST REPORTS, AND ATTENDANCE DURING INSPECTIONS OR SITE VISITS. THE CONTRACTOR-SHALL ENSURE COMPLIANCE WITH ALL STATUTORY REQUIREMENTS AND FACILITATE TIMELY APPROVALS FOR SYSTEM ACTIVATION, COMMISSIONING, AND HANDOVER.	PUKAL	-		
A.13	SHOP DRAWINGS TO PREPARE, SUBMIT, AND OBTAIN APPROVAL FOR ALL REQUIRED SHOP DRAWINGS PRIOR TO COMMENCEMENT OF RELATED WORKS. SHOP DRAWINGS SHALL BE BASED ON THE LATEST APPROVED CONSTRUCTION DRAWINGS AND COORDINATED WITH ALL RELEVANT TRADES TO AVOID CONFLICTS. SUBMISSIONS SHALL INCLUDE DETAILED LAYOUT PLANS, SECTIONS, SCHEMATICS, AND FABRICATION DETAILS AS NECESSARY. THE CONTRACTOR SHALL REVISE AND RESUBMIT AS REQUIRED UNTIL APPROVAL IS OBTAINED, AND ENSURE TIMELY SUBMISSION IN ACCORDANCE WITH THE PROJECT SCHEDULE. APPROVED COPIES SHALL BE KEPT ON SITE FOR REFERENCE.	PUKAL	-		
A.14	EQUIPMENT FOR USE BY THE S.O. AND STAFF PERSONAL PROTECTIVE EQUIPMENT (PPE) SET INCLUDING HELMET, VEST, BOOTS, GOOGLES, EAR PROTECTION AND OTHER NECESSARY EQUIPMENT.	SET	15		
A.15	MOBILIZATION, DEMOBILIZATION AND TRANSPORT TO CARRY OUT ALL MOBILIZATION AND DEMOBILIZATION ACTIVITIES INCLUDING MACHINERIES REQUIRED FOR THE COMMENCEMENT AND COMPLETION OF THE WORKS. THIS INCLUDES TRANSPORTING LABOR, MATERIALS, EQUIPMENT, TOOLS, AND TEMPORARY FACILITIES TO AND FROM THE SITE, SETUP AND REMOVAL OF SITE OFFICES, STORAGE, WELFARE FACILITIES, AND ANY TEMPORARY UTILITIES, ENSURING ALL LOGISTICS ARE EXECUTED IN A SAFE, ORGANIZED, AND EFFICIENT MANNER WITH MINIMAL DISRUPTION TO THE SURROUNDING ENVIRONMENT OR ONGOING OPERATIONS.	PUKAL	-		
A.16	CLEANING SITE ON COMPLETION OF WORKS FOR HANDING OVER TO THOROUGHLY CLEAN AND CLEAR ALL WORK AREAS UPON COMPLETION OF THE WORKS L/S IN PREPARATION FOR FINAL INSPECTION AND HANDING OVER. THIS INCLUDES REMOVAL OF ALL DEBRIS, EXCESS MATERIALS, PROTECTIVE COVERINGS, STAINS, AND CONSTRUCTION RESIDUES FROM INTERNAL AND EXTERNAL AREAS. ALL EQUIPMENT, TEMPORARY WORKS, SIGNAGE, AND STORAGE FACILITIES SHALL BE DISMANTLED AND REMOVED FROM SITE. SURFACES SHALL BE WASHED, FLOORS SWEPT OR MOPPED, AND ALL INSTALLATIONS PRESENTED IN A CLEAN AND OPERATIONAL STATE TO THE SATISFACTION OF THE S.O. OR ENGINEER. FINAL CLEANING SHALL ALSO COMPLY WITH HEALTH AND SAFETY REQUIREMENTS AND BUILDING OPERATIONAL READINESS.	PUKAL	-		
A.17	REMOVAL OF RUBBISH TO REGULARLY COLLECT, REMOVE, AND PROPERLY DISPOSE OF ALL CONSTRUCTION WASTE, PACKAGING, DEBRIS, AND SURPLUS MATERIALS GENERATED THROUGHOUT THE DURATION OF THE WORKS. DISPOSAL SHALL BE CARRIED OUT AT APPROVED DUMPING GROUNDS IN COMPLIANCE WITH LOCAL AUTHORITY REGULATIONS AND ENVIRONMENTAL GUIDELINES. THE CONTRACTOR SHALL PROVIDE SUITABLE BINS, SKIPS, OR CONTAINERS, AND ENSURE THE SITE REMAINS CLEAN, ORGANIZED, AND FREE OF OBSTRUCTION AT ALL TIMES. SPECIAL ATTENTION SHALL BE GIVEN TO MAINTAINING SAFETY AND HYGIENE WITHIN OCCUPIED OR OPERATIONAL BUILDINGS.	PUKAL	-		
A.18	TEMPORARY PROTECTION TO SUPPLY AND INSTALL ALL NECESSARY TEMPORARY PROTECTION TO SAFEGUARD EXISTING STRUCTURES, FINISHES, FITTINGS, AND OPERATIONAL AREAS DURING THE COURSE OF THE WORKS. THIS INCLUDES FLOOR COVERINGS, DUST BARRIERS, COMER GUARDS, SIGNAGE, AND ANY OTHER PROTECTIVE MEASURES NEEDED TO PREVENT DAMAGE, DUST, OR INTERFERENCE TO OCCUPIED ZONES AND SENSITIVE INSTALLATIONS. THE CONTRACTOR SHALL ENSURE PROTECTIONS ARE MAINTAINED IN GOOD CONDITION, REPOSITIONED AS NEEDED DURING STAGED WORKS, AND FULLY REMOVED UPON COMPLETION WITHOUT LEAVING MARKS OR RESIDUE	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
A.19	SITE MEETING TO ATTEND AND PARTICIPATE IN ALL SCHEDULED SITE MEETINGS, COORDINATION MEETINGS, TECHNICAL DISCUSSIONS, AND ANY OTHER PROJECT-RELATED MEETINGS AS REQUIRED BY THE S.O. OR ENGINEER. THE CONTRACTOR SHALL ENSURE THE PRESENCE OF COMPETENT REPRESENTATIVES CAPABLE OF MAKING DECISIONS AND PROVIDING UPDATES ON PROGRESS, TECHNICAL ISSUES, AND COORDINATION MATTERS. MEETING MINUTES SHALL BE REVIEWED AND RESPONDED TO PROMPTLY. (APPROX. 6 MONTHS)	PUKAL	-		
A.20	FIRST AID KITS TO SUPPLY, MAINTAIN, AND REPLENISH FIRST AID KITS AT DESIGNATED LOCATIONS ON SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH (DOSH) AND OTHER RELEVANT REGULATIONS. KITS SHALL BE ADEQUATELY STOCKED WITH APPROVED MEDICAL SUPPLIES, CLEARLY MARKED, EASILY ACCESSIBLE, AND INSPECTED REGULARLY BY A COMPETENT PERSON. THE CONTRACTOR SHALL ENSURE THAT TRAINED FIRST AID PERSONNEL ARE AVAILABLE ON SITE AND THAT INCIDENT REPORTING PROTOCOLS ARE FOLLOWED.	PUKAL	-		
A.21	MOSQUITO PREVENTION TO IMPLEMENT EFFECTIVE MOSQUITO PREVENTION AND CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD IN ACCORDANCE WITH LOCAL AUTHORITY HEALTH REGULATIONS AND THE GUIDELINES OF THE MINISTRY OF HEALTH (MOH). THIS INCLUDES REGULAR SITE INSPECTIONS, ELIMINATION OF STAGNANT WATER, PROPER STORAGE OF MATERIALS, COVERING OF WATER TANKS OR CONTAINERS, AND SCHEDULED FOGGING OR LARVICIDE TREATMENT AS REQUIRED. THE CONTRACTOR SHALL MAINTAIN RECORDS OF CONTROL ACTIVITIES AND COORDINATE WITH HEALTH OFFICERS WHEN NECESSARY.	PUKAL	-		
A.22	SAFETY MEASURES TO PROVIDE AND IMPLEMENT ALL NECESSARY SAFETY MEASURES ON SITE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), FACTORY AND MACHINERY ACT, AND GUIDELINES BY THE DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH (DOSH). THIS INCLUDES SAFETY SIGNAGE, BARRIERS, WARNING LIGHTS, PPE FOR WORKERS AND VISITORS, FALL PROTECTION, FIRE EXTINGUISHERS. EMERGENCY PROCEDURES, AND DAILY SAFETY BRIEFINGS. THE CONTRACTOR SHALL APPOINT A COMPETENT SAFETY AND HEALTH OFFICER (SHO) WHERE REQUIRED, CONDUCT REGULAR INSPECTIONS, AND MAINTAIN A SAFE WORKING ENVIRONMENT THROUGHOUT THE CONSTRUCTION PERIOD.	15000	-		
A.23	AS-BUILT DRAWING TO PREPARE AND SUBMIT AS-BUILT DRAWINGS UPON COMPLETION OF WORKS, SHOWING ALL FINAL INSTALLED ROUTES, EQUIPMENT LOCATIONS, AND SYSTEM TERMINATIONS FOR ELECTRICAL AND MECHANICAL SERVICES. DRAWINGS SHALL REFLECT ACTUAL SITE CONDITIONS AND INCORPORATE ALL APPROVED CHANGES FROM CONSTRUCTION DRAWINGS. SUBMIT IN SIX (6) SETS: FIVE (5) BLUEPRINT COPIES AND ONE (1) LINEN COPY, ALONG WITH SOFTCOPIES IN AUTOCAD AND PDF FORMATS, FULLY LABELED, SCALED, AND CERTIFIED BY THE S.O.	PUKAL	-		
A.24	SERVICE AND MAINTENANCE DURING DEFECT LIABILITY PERIOD TO PROVIDE ROUTINE SERVICE AND MAINTENANCE DURING THE DEFECTS LIABILITY PERIOD (DLP) FOR ALL INSTALLED SYSTEMS AND EQUIPMENT UNDER THIS CONTRACT. WORKS SHALL INCLUDE PERIODIC INSPECTIONS, TESTING, SERVICING, CLEANING, CALIBRATION, MINOR ADJUSTMENTS, AND SUBMISSION OF MAINTENANCE RECORDS/LOGS TO THE S.O. ALL PREVENTIVE MAINTENANCE SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS AND COMPLY WITH RELEVANT CODES. INCLUDES ATTENDING TO ANY DEFECTS OR FAULTS REPORTED DURING DLP.	MONTHS	12		
A.25	OPERATION AND MAINTENANCE MANUAL TO PREPARE AND SUBMIT 'BUKU OPERASI (FIRE SYSTEM OPERATION & MAINTENANCE MANUAL) IN ACCORDANCE WITH THE LATEST BOMBA REQUIREMENTS, INCLUDING SYSTEM DESCRIPTIONS, SCHEMATICS, OPERATING PROCEDURES, MAINTENANCE SCHEDULE, MANUFACTURER DATA SHEETS, CERTIFICATES, TEST REPORTS, AND EMERGENCY CONTACTS. SUBMIT IN FOUR (4) HARDCOPIES AND ONE (1) SOFTCOPY (PDF), COMPLETE WITH INDEXING, COLOR-CODED TABS, AND BOMBA COMPLIANCE FORMATTING.	PUKAL	-		
A.26	FACTORY ACCEPTANCE TEST (FAT) TO CARRY OUT FACTORY ACCEPTANCE TEST (FAT) FOLLOWING MALAYSIA STANDARD (MS) FOR THE WET RISER PUMP AND SPRINKLER PUMP AT THE MANUFACTURER'S FACILITY PRIOR TO DELIVERY. THE FAT SHALL BE WITNESSED BY THE S.O. OR AUTHORIZED REPRESENTATIVE AND SHALL VERIFY COMPLIANCE WITH SPECIFIED PERFORMANCE, INCLUDING FLOW RATE, PRESSURE, POWER CONSUMPTION, AND MECHANICAL INTEGRITY. THE TEST SHALL INCLUDE INSPECTION OF PUMP CASING, MOTOR ALIGNMENT, COUPLING, PRESSURE AND FLOW TESTING, VIBRATION AND NOISE CHECK, AND CONFIRMATION OF BOMBA REQUIREMENTS. CONTRACTOR SHALL ALLOW FOR ALL LOGISTICS, COORDINATION, TRAVEL ARRANGEMENTS FOR THE WITNESSING PARTY, TEST REPORTS, AND DOCUMENTATION FOR SUBMISSION. (FOR 5 PERSONNELS)	PUKAL	-		
JUMLAH KESELURUHAN (BIL A)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
B	DEMOLITION WORKS Note:- The contractor is advised to price this section of the bill on site. All old materials and debris arising from the demolitions and alterations are to become the property of the contractor who shall forthwith remove the same from the existing building and clear away from site. The area to be demolished are indicated in the drawings. The contractor shall satisfy himself as to the nature of works and make allowance for any demolition required over and above the approximate nett area given and made good all works disturbed as necessary. Before commencing any works, the Contractor shall ascertain the existance and position of water and other services from the relevant authorities and arrange for the diversions or terminations of the services. The Contractor shall allow for paying all costs and charges in connection there with. The contractor will be required to repair or replace at his own expenses any parts or complete items which in the opinion the s.o have be damaged as a result of insufficient care in removing, handling and protection. The removal of the existing any structural work, finishes, doors , windows, counter shall be carried out in such manner that no damage is done to the existing part of building. Any damage to the non-effected parts of the building shall be made good by the Contractor at his own expenses.				
B.1	THE CONTRACTOR SHALL BE ALLOW FOR PROTECTION AND SUPPORT OF ALL WORKS DEMOLITION WORKS AND SUBSEQUENT RECONSTRUCTION.	PUKAL	-		
B.2	THE CONTRACTOR SHALL PROVIDE THREE (3) COPIES COMPLETE DILAPIDATIONS REPORT WITH COLOURED PHOTOS OF THE WORKS BEFORE AND AFTER DEMOLITION WORKS IS CARRIED OUT.	PUKAL	-		
B.3	ALLOW FOR SCRAPPING OFF EXISTING INTERNAL AND EXTERNAL PAINT AND REPAIR WALL SURFACES, REMOVE CEILING FINISHES,FLOOR FINISHES, MILD STEEL RAILING, MAKE GOOD DOORS AND WINDOWS, AND REMOVED ALL HACKED MATERIAL FROM SITE TO CONTRACTOR'S OWN DUMPING GROUND ALL AS PER ARCHITECT'S DRAWING AND INSTRUCTIONS.	PUKAL	-		
B.4	ALLOW FOR DISMANTLE AND REMOVE EXISTING ROOF STRUCTURE AND ROOF COVERING INCLUDING REMOVE EXISTING ROOF MATERIAL FROM ROOF STRUCTURE, CLEAN AND PREPARE FOR SUBSEQUANT WORKS AND REMOVED RUBBISH FROM SITE DITTO (APPROXIMATELY 750M2)	PUKAL	-		
B.5	ALLOW TO CAREFULLY DISMANTLE AND REMOVE EXISTING STAINLESS STEEL SWING GATE AND GRILLE INCLUDING HINGES, LOCKS, FRAME SUPPORTS AND ALL FIXINGS, AND MAKE GOOD ANY AFFECTED SURFACES SUCH AS ADJACENT WALLS, PATCHING, PLASTERING, FLOOR TILES, AND STRUCTURAL OPENINGS TO RECEIVE NEW INSTALLATION. (APPROXIMATELY 11M2)	PUKAL	-		
B.6	DISMANTLE AND TAKE DOWN EXISTING DOUBLE-LANE POOL SLIDE INCLUDING ALL ASSOCIATED SUPPORTING STRUCTURES INCLUDING DISCONNECTION OF ALL ASSOCIATED STAIRS, HANDRAILS, FITTINGS, ANCHORING BOLTS, SUPPORT STRUCTURES, WATER SUPPLY CONNECTIONS, AND REMOVE ALL DEBRIS FROM SITE. ALL NECESSARY PRECAUTIONS TO BE TAKEN TO AVOID DAMAGE TO ADJACENT STRUCTURES AND FINISHES. INCLUDING MAKING GOOD ALL AFFECTED AREAS TO MATCH EXISTING FINISHES, ALL AS DIRECTED BY THE ARCHITECT AND S.O'S APPROVAL	PUKAL	-		
B.7	TAKE DOWN EXISTING ARCH STRUCTURE INCLUDING REMOVAL OF ALL ASSOCIATED FINISHES, SUPPORTS, FRAMES, DECORATIVE ELEMENTS, AND BONDING MATERIALS, CAREFULLY DISMANTLED TO AVOID DAMAGE TO ADJOINING STRUCTURES. INCLUDING CARTING AWAY DEBRIS FROM SITE AND MAKING GOOD ALL AFFECTED SURFACES TO MATCH EXISTING FINISHES, ALL AS DIRECTED BY THE ARCHITECT AND S.O'S APPROVAL (APPROXIMATELY 3 NOS)	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
B.8	ALLOW FOR MAKING GOOD WORKS, REPAIRS AND REPLACE ANY DAMAGE FOR EXISTING PERIMETER DRAINAGE INCLUDING CONSTRUCT OF PC SLAB AND GRATING TO COVER UP EXISTING SLAB AND ALL NECESSARY ROAD KERB, DEFECT, AND REJECTED WORK BY THE S.O ALL AS PER DRAWING AND SATISFACTION OF THE SO AND APPROVAL. (APPROXIMATELY 125M)	PUKAL	-		
B.9	ALLOW FOR MAKING GOOD WORKS, REPAIRS AND REPLACE ANY DAMAGE FOR EXISTING WATCHTOWER INCLUDING SURFACE PREPARATION SUCH AS HACKING OFF LOOSE OR DEFECTIVE PAINT AND PLASTER, REPAIRING CRACKS, PATCHING DAMAGED AREAS, CLEANING OF SURFACES, AND APPLYING ONE (1) COAT OF APPROVED PRIMER, ONE (1) UNDERCOAT AND TWO (2) FINISHING COATS OF APPROVED WEATHER-RESISTANT PAINT TO ALL EXTERNAL AND INTERNAL SURFACES, INCLUDING CONCRETE, TIMBER, AND STEEL STRUCTURES.	PUKAL	-		
B.10	ALLOW FOR TAKING OVER THE SITE AND CLEAR THE BUILDINGS AND AFFECTED AREA OF ALL RUBBISH, DEBRIS, UNUSED FURNITURES, EQUIPMENTS, ELECTRICAL FITTINGS, REMOVE AND CART AWAY TO AN APPROVED DUMPING GROUND TO BE FOUND BY THE CONTRACTOR AND INCLUSIVE PAYMENT OF ALL PERMITS AND FEES TO LOCAL AUTORITIES	PUKAL	-		
JUMLAH KESELURUHAN (BIL B)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
C	MAIN BUILDING (KOMPLEKS)				
C.1	ROOF				
C.1.1	ROOF TRUSSES THE CONTRACTOR SHALL NOTE THAT HE SHALL BE SOLELY RESPONSIBLE FOR THE ADEQUACY AND THE SUFFICIENCY OF THE STEEL ROOF TRUSSES. RATES FOR THE STEEL ROOF TRUSSES AND RAFTERS SHALL ALSO INCLUDE FOR DESIGN FEES, TESTING FOR COMPLIANCE, QUALITY ASSURANCE AND CONTROL AND ALL OTHER NECESSARY COST FOR PATENT RIGHT DESIGN, TRADEMARK OR NAME. THE CONTRACTOR SHALL DESIGN, FABRICATE AND DELIVER TO SITE AND FURNISH AT HIS EXPENSE ALL NECCESARY MATERIALS, TOOLS, HOIST, STAGING, TEMPORARY BRACING ETC. FOR THE SAFE AND PROPER ERECTION OF THE PREFABRICATED ROOF TRUSSES EITHER MILD STEEL ROOF TRUSSES COMPLETE WITH RAFTER, TOP AND BOTTOM CHORDS, BRACINGS AND TIE DOWN, STRUTS, BEARER, TRUSS CONNECTORS, STRAPA, WALL PLATES, CONNECTIONS, HOISTING AND FIXING APPROXIMETELY 7,000MM HIGH ABOVE GROUND FLOOR LEVEL INCLUDING ALL NECESSARY PAINTINGS, LABOUR MATERIAL, APPLIANCES IN SHOP AND SITE CONNECTION TO BE APPROVED BY S.O PRIOR TO ERECTION AND INSTALLATION ON SITE. THE CONTRACTOR SHALL NOTE THAT THE MILD STEEL ROOF TRUSSES SHALL DESIGNED TO SUIT THE CEILING, THE LOCATION OF WATER TANKS, ROOF COVERINGS, CAT WALK FOR MAINTANANCE MECHANICAL AND ELECTRICAL FACILITIES AND WHATEVER LOAD DEEMED NECESSARY FOR THE FUNCTIONAL PURPOSE OF THE BUILDINGS THE WATER TANKS SHALL NOT SUPPORTED BY THE MILD STEEL ROOF TRUSSES. IN THE CASE WHERE THE MILD STEEL ROOF TRUSSES ARE DESIGNED AT CENTRES WHICH DO NOT SUIT TO FACILITATE THE FIXING OF THE CEILING, THE CONTRACTOR SHALL INCLUDE IN HIS DESIGN OF THE MILD STEEL ROOF TRUSSES FOR ANY ADDITIONAL BEARERS, TIE BEAMS, CEILING JOIST ETC. REQUIRED TO FACILITATE TO CEILING PANEL. THE CONTRACTOR SHALL ALSO IN HIS DESIGN, FACILITATE THE FIXING OF THE TIMBER RAFTERS AND ITS COMPONENTS USED AS AN ARCHITECTURAL FEATURE ALONG THE EAVES OF THE MILD STEEL ROOF TRUSSES. THE MILD STEEL ROOF TRUSSES COMPLETE WITH ALL NECESSARY FITTINGS AND ACCESSORIES AND SUBMISSION OF SHOP DRAWING WITH PE ENDORSEMENT AND HOISTING IN POSITION ALL AS PER S.O.'S APPROVAL.				
C.1.1.1	PITCH ROOF WITH AND INCLUDING OF ALL NECESSARY SUPPORTS AS INDICATED BASED ON RELEVANT DRAWINGS AND AS SPECIFIED, (MEASURED FLAT ON PLAN). SLOPING PITCH 25 DEGREES. (APPROXIMATELY QTY : 750M2)	PUKAL	-		
C.1.2	ROOF COVERING SUPPLY AND INSTALL IN POSITION APPROVED 'LYSAGHT' KLIP LOCK COLOURBOND METAL ROOFING SHEET INCLUDING ALL NECESSARY FIXING ACCESSORIES, FIXED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS) AND SO'S APPROVAL ALL AS PER ARCHITECT'S DRAWING NO; 001/MBIP-05 (THE CONTRACTOR IS REQUIRED TO PROVIDE 10 YEARS WARRANTY FROM THE PRODUCT MANUFACTURER)				
C.1.2.1	0.48MM THICK METAL DECK ROOFING SHEET INCLUDING TOP FIXING FASTENER AT 1200MM CENTRES TO MILD STEEL PURLIN (MEASURED SEPARATELY) INCLUDING ALL NECESSARY ACCESSORIES SLOPING PITCH 25 DEGREES	M2	750		
C.1.2.2	22 GAUGE GALVANISED IRON SHEETING : - FLAT SHEET AS ROOF CAPPING 600MM GIRTH IN BENT LAID ON ROOF COVERING (MEASURED SEPARETALY) INCLUDING ALL NECESSARY FITTINGS, FIXINGS, ACCESSORIES, PAINTING ETC. ALL ACCORDANCE TO MANUFACTURER'S DETAIL.	M	120		
C.1.2.3	22 GAUGE GALVANISED IRON SHEETING : - VALLEY GUTTER 600MM GIRTH IN BENT LAID ON ROOF COVERING (MEASURED SEPARETALY) INCLUDING ALL NECESSARY FITTINGS, FIXINGS, ACCESSORIES, PAINTING ETC. ALL ACCORDANCE TO MANUFACTURER'S DETAIL.	M	27		
C.1.2.4	APPROVED INSULATION LAID TO FALL ON PURLIN (MEASURED SEPARATELY), ALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS) APPROVED 50MM THICK (24KG/M3) POLYGLASS FIBRE INSULATION LAID WITH AND INCLUDING CHICKEN WIRE MESH	M2	760		
C.1.2.5	APPROVED INSULATION LAID TO FALL ON PURLIN (MEASURED SEPARATELY), ALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS) APPROVED SINGLE SIDED ALUMINIUM FOIL SISILATION PLASTIC BASED , JOINTED AND LAPPED 150MM AT JOINTS (MEASURED NETT - NO ALLOWANCE MADE FOR LAPS) DITTO.	M2	760		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
C.1.3	ROOF PLUMBING				
C.1.3.1	SUPPLY AND INSTALL APPROVED UPVC GUTTER COMPLETE WITH EXTERNAL BRACKET, JOINER, END STOPPER, SPOUTHEAD RUBBER RING, HOLDING DOWN STRAP, BEND AND ACCESSORIES COMPLYING ALL TO MANUFACTURER'S SPECIFICATIONS AND INSTRUCTION AS PER DRAWING NO: 0001/MBIP-04	M	48		
C.1.3.2	SUPPLY AND INSTALL APPROVED UPVC RAINWATER DOWNPIPE COMPLETE WITH BEND, DOME GRATING AND ALL OTHER RELATED ACCESSORIES COMPLYING ALL TO MANUFACTURER'S SPECIFICATIONS AND INSTRUCTION AS PER DRAWING NO:0001/MBIP-04				
C.1.3.3	100MM DIAMETER	M	80		
C.1.3.4	SUPPLY AND INSTALL APPROVED 150MM X 25MM THICK METAL FASCIA BOARD	M	48		
C.2	CEILING FINISHES				
C.2.1	EXTERNAL WALL FINISHES SUPPLY, INSTALL AND COMPLETE SUSPENDED PLASTER CEILING SYSTEM AT ALL LEVELS COMPRISING OF 9MM THICK GYPSUM BOARD CEILING FIXED TO APPROVED G.I. FURRING CHANNEL SYSTEM SUSPENDED FROM STRUCTURAL SOFFIT USING GALVANIZED ANGLE BAR/HANGER ROD SYSTEM; INCLUDING ALL NECESSARY PERIMETER ANGLE TRIMS, EXPANSION JOINTS, ACCESS PANELS (WHERE REQUIRED), CORNERS AND NECESSARY ACCESSORIES; INCLUDING JOINT TREATMENT WITH FIBRE TAPE AND SKIM COAT FINISH TO RECEIVE PAINT; FORMATION OF L-BOX FEATURE ALONG EDGES/WALLS, USING 9MM THICK GYPSUM BOARD COMPLETE WITH FRAMING, SUPPORTS, AND JOINT TREATMENT; ALL CEILING AND L-BOX WORKS TO BE LEVELED, ALIGNED, AND PREPARED SMOOTH FOR PAINTING; ALL TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND TO THE APPROVAL OF THE ARCHITECT.				
C.2.1.1	GENERAL CEILING	M2	300		
C.2.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	4		
C.2.2	ALUMINIUM STRIP CEILING SUPPLY, DELIVER AND INSTALL ALUMINIUM STRIP CEILING SYSTEM COMPRISING; APPROVED POWDER-COATED ALUMINIUM STRIP PANELS AS SPECIFIED, FIXED TO PROPRIETARY EXTRUDED ALUMINIUM CARRIERS (FRAMING SYSTEM) SUSPENDED FROM SOFFIT USING GALVANIZED STEEL HANGERS OR APPROVED SUSPENSION SYSTEM AT SPECIFIED SPACING; INCLUDING ALL NECESSARY EDGE TRIMS, PERIMETER ANGLES, CORNER TRIMS, JOINTS, AND CONNECTION ACCESSORIES FOR A COMPLETE INSTALLATION; PANELS TO BE INSTALLED IN STRAIGHT, LEVEL, AND ALIGNED ROWS WITH CONSISTENT SPACING/GAPS AS PER ARCHITECT'S DETAIL; ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, SHOP DRAWINGS, AND TO THE APPROVAL OF THE ARCHITECT.	M2	180		
C.3	PAINTING AND DECORATION				
C.3.1	WALL AND CEILING PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF SUPERMATEX, SATIN GLO EMULSION PAINT INTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) PLASTERED WALL AND COLUMN	M2	1500		
C.3.2	PREPARE AND APPLY THREE COATS OF MATEX CEILING WHITE EMULSION PAINT INTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) GENERAL SURFACE OF CEILING	M2	330		
C.3.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER RESISTANCE PAINT EXTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) PLASTERED WALL AND COLUMN	M2	1200		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
C.3.4	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER RESISTANCE PAINT EXTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) GENERAL SURFACE OF CEILING	M2	250		
C.4	SIGNAGES				
C.4.1	SUPPLY AND INSTALL 5MM THICK CLEAR ACRYLIC PANEL OR OTHER APPROVED EQUIVALENT BUILDING SIGNAGES WITH ONE LAYER STAINLESS STEEL STICKER WITH ONE LAYER TRANSPARENT RESERVE STICKER PRINTING AND COMPLETE WITH WORDING AND MOTIF ALL TO BE FIXED WITH HEAVY DUTY ADHESIVE ALL AS PER ARCHITECT'S DRAWING NO.MBIP/TUTA/DD14 AND S.O. APPROVAL DILARANG MEROKOK' SIGN OVERALL SIZE 165MM X 165MM HIGH (SA1)	NO	2		
C.4.2	SUPPLY AND INSTALL 5MM THICK CLEAR ACRYLIC BEVEALED EDGE OR OTHER APPROVED EQUIVALENT BUILDING SIGNAGES WITH ONE LAYER STAINLESS STEEL STICKER WITH ONE LAYER TRANSPARENT RESERVE STICKER PRINTING AND COMPLETE WITH WORDING AND MOTIF ALL TO BE FIXED WITH HEAVY DUTY ADHESIVE ALL AS PER ARCHITECT'S DRAWING NO.MBIP/TUTA/DD23 AND S.O. APPROVAL LALUAN KECEMASAN SIGN OVERALL SIZE 450MM X 600MM HIGH	NO	1		
C.4.3	BOX-UP COMPOSITE PANEL SIGNBOARD SUPPLY AND INSTALL SELECTED COMPOSITE PANEL SIGNBOARD OR EQUIVALENT WITH BOX-UP LETTERING TO SPECIALIST DETAIL (WORDING ON DIGNBOARD TO BE APPROVED BY MBIP)				
C.4.3.1	TO SUITE CURVE SHAPE OF EXISTING BUILDING AS PER DRAWING NO. MBIP/TUTA/DD18	NO	1		
C.4.3.2	TO SUITE BRICK FENCING AS PER DRAWING NO. MBIP/TUTA/DD18	NO	1		
C.5	SUNDRIES				
C.5.1	SUPPLY AND PLACE THE FOLLOWING LOOSE FURNITURES AS FOLLOWS: SELECTED 1800MM X 2000MM HIGH METAL LOCKER TO MANUFACTURER'S DETAIL AND S.O APPROVAL				
C.5.1.1	BILIK PERSALINAN LELAKI	NO	6		
C.5.1.2	BILIK PERSALINAN WANITA	NO	6		
C.5.2	900MM WIDE X 2000MM LENGTH X 400MM HIGH M.S FRAMED TIMBER PLANK BENCH C/W CLOTH HANGER TO MANUFACTURER'S DETAIL AND S.O APPROVAL				
C.5.2.1	BILIK PERSALINAN LELAKI	NO	1		
C.5.2.2	BILIK PERSALINAN WANITA	NO	1		
C.5.3	SELECTED 'SKYBIRD' ARTIFICIAL PLANT ON SELECTED PVC VASE TO MANUFACTURER'S DETAIL AND S.O APPROVAL				
C.5.3.1	TANDAS LELAKI	NO	6		
C.5.3.2	TANDAS WANITA	NO	6		
C.5.3.3	TANDAS UMUM	NO	1		
C.5.3.4	TANDAS OKU	NO	2		
C.5.4	SELECTED S/STEEL DUST BIN TO MANUFACTURER'S DETAIL AND S.O APPROVAL AS PER ARCHITECT'S DRAWING NO.MBIP/TUTA/DD13				
C.5.4.1	TANDAS LELAKI	NO	6		
C.5.4.2	TANDAS WANITA	NO	6		
C.5.4.3	TANDAS UMUM	NO	1		
C.5.4.4	TANDAS OKU	NO	2		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
C.5.4.5	KAWASAN KOLAM RENANG	NO	8		
JUMLAH KESELURUHAN (BIL C)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
D	TICKETING COUNTER & CCTV ROOM				
D.1	ELEMENT A - FRAME				
D.1.1	CONCRETE WORK VIBRATED REINFORCED CONCRETE GRADE 35 AS DESCRIBED : -				
D.1.1.1	COLUMN	M3	1		
D.1.1.2	BEAM	M3	1		
D.1.2	REINFORCEMENT MILD STEEL BAR AND HIGH TENSILE OF VARIOUS SIZES AS APPROVED BY ENGINEER IN REINFORCEMENT TO CONCRETE WORKS GENERALLY, INCLUDING ALL CUTTING, BENDING AND PLACING IN POSITION :-				
D.1.2.1	COLUMN	KG	60		
D.1.2.2	BEAM	KG	100		
D.1.3	FORMWORK USE AND WASTE OF SAWN FORMWORK : -				
D.1.3.1	TO SIDES OF COLUMN	M2	3		
D.1.3.2	TO SIDES AND SOFFIT OF BEAM	M2	11		
D.1.4	CONNECTION TO EXISTING STRUCTURE				
D.1.4.1	ALLOW FOR CONNECTION TO EXISTING STRUCTURE	PUKAL	-		
D.2	ELEMENT B - EXTERNAL WALL				
D.2.1	PRECAST CONCRETE REINFORCED VIBRATED PRECAST CONCRETE GRADE 25 AS DESCRIBED INCLUDING ALL MOULDS, HOISTING AND SETTING IN CEMENT MORTAR (1:3) :- 150MM X 250MM LINTOL REINFORCED WITH AND INCLUDING 2 NOS. 12MM DIAMETER TOP AND BOTTOM HIGH TENSILE ROD HOOKED AT ENDS AND 6MM DIAMETER MILD STEEL LINKS AT				
D.2.1.1	200MM CENTRES	M	5		
D.2.1.2	150MM X 300MM LINTOL DITTO	M	3		
D.2.2	BRICKWORK WELL BURNT CLAY BRICKS BEDDED AND JOINTED IN CEMENT MORTAR (1:3) WITH PLASTICISER AS DESCRIBED : -				
D.2.2.1	HALF BRICK WALL (114MM THICK) REINFORCED WITH AND INCLUDING A LAYER OF "EXMET" 65MM WIDE AT EVERY FOURTH COURSE	M2	12		
D.2.3	SUNDRIES				
D.2.3.1	6MM DIAMETER MILD STEEL ROD 350MM LONG AS BONDING TIE, ONE END CAST INTO CONCRETE OTHER END BUILT INTO JOINT OF BRICKWALL	NO	30		
D.3	ELEMENT C - UPPER FLOOR CONSTRUCTION				
D.3.1	CONCRETE WORK VIBRATED REINFORCED CONCRETE GRADE 35 AS DESCRIBED : -				
D.3.1.1	150MM THICK SUSPENDED SLAB	M2	10		
D.3.2	REINFORCEMENT HIGH TENSILE BAR IN REINFORCEMENT TO CONCRETE WORKS GENERALLY, INCLUDING ALL CUTTING, BENDING AND PLACING IN POSITION : -				
D.3.2.1	10MM DIAMETER ROD	KG	126		
D.3.3	FORMWORK USE AND WASTE OF SAWN FORMWORK : -				
D.3.3.1	TO SOFFIT OF SUSPENDED SLAB	M2	10		
D.3.3.2	TO EDGE OF CONCRETE EXCEEDING 100MM AND NOT EXCEEDING 200MM HIGH	M	2		
D.3.4	CONNECTION TO EXISTING STRUCTURE				
D.3.4.1	ALLOW FOR CONNECTION TO EXISTING STRUCTURE	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
D.4	ELEMENT D - WINDOWS				
D.4.1	ALUMINIUM WORK SUPPLY AND INSTALL THE FOLLOWING 1.2MM THICK POWDER COATED ALUMINIUM FRAME WINDOWS AND FIXED PANELS COMPLETE WITH FRAMES, COUPLING, TRANSOMES, MULLIONS, CONCEALED TOP AND BOTTOM BOLTS, IRONMONGERY, GLAZING BEADS AND INCLUDING 8MM THICK 30% LIGHT GREEN TINTED GLASS AS DESCRIBED AND ALL OTHER FITTINGS AND ACCESSORIES AND FIXING COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING				
D.4.2	GLAZING				
D.4.2.1	SUPPLY AND INSTALL THE FOLLOWING 10MM THICK TINTED GLASS PANEL FIXED TO INTERNAL WALL COMPLETE WITH NECESSARY ALUMINIUM FRAMING, SILICONE SEALANT, RUBBER GASKET, FIXING ACCESSORIES AND ALL NECESSARY FITTINGS, CUTTING, NOTCHING, DRILLING, JOINTING, AND MAKING GOOD TO SURROUNDING FINISHES AND FIXING COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING NO.MBIP/TUTA/DD16 AND S.O APPROVAL	M2	5		
D.4.2.2	SUPPLY AND INSTALL THE FOLLOWING ALUMINIUM FRAMED FIXED TINTED GLASS PANEL FIXED TO INTERNAL WALL COMPLETE WITH NECESSARY ALUMINIUM FRAMING, SILICONE SEALANT, RUBBER GASKET, FIXING ACCESSORIES AND ALL NECESSARY FITTINGS, CUTTING, NOTCHING, DRILLING, JOINTING, AND MAKING GOOD TO SURROUNDING FINISHES AND FIXING COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING NO. MBIP/TUTA/DD17 AND S.O APPROVAL	M2	24		
D.5	ELEMENT E - DOORS				
D.5.1	METAL DOOR FRAME				
D.5.1.1	1.6MM THICK POWDER COATED MILD STEEL FRAME DOOR FRAME COMPLETE WITH STAINLESS STEEL RUBBER BUFFER AND STEEL FISHTAIL TO BE GLOSS PAINT FINISH AND INFILLED WITH CEMENT GROUT, INCLUDING ALL NECESSARY BEDDING, FIXING ANCHORS, AND FIXING ACCESSORIES, COVERED ALL SURFACE WITH HOT DIP GALVANISED ALL IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND S.O. APPROVAL OVERALL SIZE 900MM X 2100MM HIGH (TYPE D1)	NO	2		
D.5.2	CARPENTRY AND JOINERY **WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARHITECT'S DRAWING** WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARHITECT'S DRAWING NO MBIP/PP/02/2024. SOLID ENGINEERED TIMBER DOOR 40MM THICK SINGLE SOLID ENGINEERED TIMBER DOOR C/W 100MM X 10MM THICK TIMBER ARCHITRAVE OVERALL SIZE 900MM X 2100MM HIGH COVER WITH 5.2MM THK MOISTURE RESISTANCE GRADE ABCC PLYWOOD FACING INTERNALLY 5.2MM THK WBP PLYWOOD FACING EXTERNAL CONSTRUCTED WITH ENGINEERED TIMBER FORMING STILES, INTERMEDIATE, TOP AND BOTTOM RAILS, INTERMEDIATE INFILLED WITH SOLID PARTICLE WOOD CORE, BOTTOM FACE SEAL WITH WATERPROOF ACRYLLIC COATING, AND HUNG IN POSITION WITH BUTT HINGESS (TYPE D1)	NO	2		
D.6	ELEMENT F - IRONMONGERY				
D.6.1	SUPPLY AND FIX THE FOLLOWING IRONMONGERY AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT TO HARDWOOD INCLUDING PROVIDING REQUISITE MATCHING SCREWS AND FIXING ACCESSORIES AS APPROVED BY THE S.O				
D.6.1.1	PAIR 100 X 75MM STAINLESS STEEL SCREW MOUNTED HINGES	NO	6		
D.6.1.2	ENTRANCE HEAVY DUTY CYLINDRICAL KNOBSET	NO	2		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
D.6.1.3	FLUSH BOLT - STAINLESS STEEL BOX FLUSH BOLT	NO	2		
D.6.1.4	DOOR CLOSER	NO	2		
D.6.1.5	DOOR STOPPER - STAINLESS STEEL HAT AND COAT HOOK	NO	2		
D.7	ELEMENT G - WALL FINISHES				
D.7.1	EXTERNAL WALL FINISHES				
D.7.1.1	CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP EXTERNALLY FINISHED WITH WOOD FLOAT 20MM PLAINFACE TO WALL AND COLUMN	M2	12		
D.7.1.2	LAMINATED MARBLE SUPPLY AND INSTALL SELECTED HIGH-PRESSURE LAMINATED (HPL) PANEL WITH MARBLE EFFECT FINISH ON 12MM THICK PLYWOOD BACKING, INCLUDING ALL NECESSARY FRAMING, ADHESIVE, EDGE TRIMMING, JOINT SEALANT, ACCESSORIES, AND MAKING GOOD TO SURROUNDING SURFACES ALL AS SHOWN ON DRAWINGS AND ALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION AND ARCHITECT'S DRAWING NO. MBIP/TUTA/DD16	M2	5		
D.7.1.3	LAMINATED TIMBER SUPPLY AND INSTALL SELECTED HIGH-PRESSURE LAMINATED (HPL) PANEL WITH TIMBER EFFECT FINISH ON 12MM THICK WBP PLYWOOD BACKING, INCLUDING ALL NECESSARY ADHESIVES, EDGE TRIMS, JOINT SEALANTS, FIXING ACCESSORIES AND MAKING GOOD TO SURROUNDING FINISHES ALL AS SHOWN ON DRAWINGS AND ALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION AND ARCHITECT'S DRAWING NO. MBIP/TUTA/DD16	M2	3		
D.7.2	INTERNAL WALL FINISHES				
D.7.2.1	CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP INTERNALLY FINISHED WITH STEEL TROWEL :- 20MM PLAINFACE TO WALL AND COLUMN	M2	12		
D.7.2.2	LAMINATED TIMBER SUPPLY AND INSTALL SELECTED HIGH-PRESSURE LAMINATED (HPL) PANEL WITH TIMBER EFFECT FINISH ON 12MM THICK WBP PLYWOOD BACKING, INCLUDING ALL NECESSARY ADHESIVES, EDGE TRIMS, JOINT SEALANTS, FIXING ACCESSORIES AND MAKING GOOD TO SURROUNDING FINISHES ALL AS SHOWN ON DRAWINGS AND ALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION AND ARCHITECT'S DRAWING NO. MBIP/TUTA/DD16	M2	2		
D.8	ELEMENT H - FLOOR FINISHES				
D.8.1	INTERNAL FLOOR FINISHES CEMENT AND SAND (1:3) TO RECEIVE HOMOGENEOUS TILES : -				
D.8.1.1	13MM SCREEDED BED	M2	22		
D.8.1.2	13MM SCREEDED BACKING TO SKIRTING 100MM HIGH	M	26		
D.8.2	APPROVED HOMOGENEOUS TILES LAID WITH AND INCLUDING APPROVED HOMOGENEOUS TILES LAID WITH AND INCLUDING ADHESIVE BONDING SYSTEM C/W BONDING AGENT CEMENT GROUT BONDER WITH OPC OR OTHER APPROVED EQUIVALENT WITH BORDER, BEDDED, JOINTED AND POINTED IN CEMENT WITH FLUSH JOINT LAID ON CEMENT AND SAND SCREED (MEASURED SEPARATELY) WITH AN APPROVED COLOUR AND PATTERN AS DESCRIBED : -				
D.8.2.1	TO FLOOR	M2	22		
D.8.2.2	TO SKIRTING 100MM HIGH	M	26		
D.9	ELEMENT J - CEILING FINISHES				
D.9.1	INTERNAL CEILING FINISHES				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
D.9.1.1	APPROVED CEMENT BASED SKIM COAT PLASTER SYSTEM TO CONCRETE SURFACES CONSISTING OF ONE BASE COAT AND FINISHING COAT INCLUDING PREPARING, GRINDING AND PATCHING JOINTS AND UNDULATING SURFACES, TROWELLED SMOOTH ALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS EXTERNALLY 3MM THICK PLAINFACE TO CONCRETE SOFFIT AND SIDES OF SLAB	M2	10		
D.9.1.2	1200MM X 600MM X 9MM THICK OR OTHER EQUAL AND APPROVED PLAIN SURFACE TEXTURE GYPSUM BOARD SUSPENDED CEILING BOARD SUPPORTED ON NATURAL ANODISED METAL T-BAR SUSPENSION FRAMING SYSTEM STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS GENERAL CEILING	M2	12		
D.9.1.3	1200MM X 600MM X 9MM THICK OR OTHER EQUAL AND APPROVED PLAIN SURFACE TEXTURE GYPSUM BOARD SUSPENDED CEILING BOARD SUPPORTED ON NATURAL ANODISED METAL T-BAR SUSPENSION FRAMING SYSTEM STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	1		
D.10	ELEMENT K - PAINTING AND DECORATION				
D.10.1	WALL AND CEILING PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER)				
D.10.1.1	PLASTERED WALL AND COLUMN	M2	12		
D.10.1.2	PLASTERED CONCRETE SOFFIT	M2	10		
D.10.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF SUPERMATEX, SATIN GLO EMULSION PAINT INTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) PLASTERED WALL AND COLUMN	M2	12		
D.10.1.4	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF SUPERMATEX, SATIN GLO EMULSION PAINT INTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) PLASTERED CONCRETE SOFFIT	M2	10		
D.10.1.5	PREPARE AND APPLY THREE COATS OF MATEX CEILING WHITE EMULSION PAINT INTERNALLY ON SURFACES OF (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER) GENERAL SURFACE OF CEILING	M2	10		
D.10.2	METALWORK PREPARE AND PAINT ONE COAT ZINC CROMATE PRIMER, ONE COAT ECONOMY UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER)				
D.10.2.1	SURFACES OF DOOR FRAME EXCEEDING 200MM GIRTH AND NOT EXCEEDING 300MM GIRTH	M	10		
D.10.3	WOODWORK KNOT, PRIME, STOP AND PAINT ONE COAT ZINC CROMATE PRIMER, ONE COAT ECONOMY UNDERCOAT AND TWO FINISHING COATS OF GLOSS ENAMEL PAINT AS DESCRIBED :- (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER)				
D.10.3.1	GENERAL SURFACES OF DOORS	M2	8		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
D.11	ELEMENT L - SUNDRIES SUPPLY AND FIX THE FOLLOWING BUILT IN FURNITURE INCLUDING APPROVED COLOUR, FABRICATION, DELIVERY TO SITE, CONNECTION, FIXING ACCESSORIES AND FIXING IN POSITION ALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION AND AS SHOWN IN THE ARCHITECT'S DRAWING AND S.O. APPROVAL				
D.11.1	KABINET TERBUKA (BERTINGKAT) APPROVED LAMINATED TIMBER EFFECT ON PLYWOOD BASE KABINET TERBUKA (BERTINGKAT) OVERALL SIZE 1400MM X 400MM X 1800MM HIGH TO SPECIALIST'S DETAIL ALL AS PER MANUFACTURER DETAIL AND ARCHITECT DRAWING NO. MBIP/TUTA/DD16	NO	1		
D.11.2	PU LEATHER CHAIR APPROVAL MEDIUM BACK OFFICE CHAIR WITH PU LEATHER UPHOLSTERY, MOULDED FOAM CUSHION SEAT AND BACKREST, FIXED ARMRESTS, HEIGHT ADJUSTABLE SWIVEL MECHANISM WITH TILT FUNCTION, 5-PRONG NYLON BASE WITH CASTOR WHEELS ALL AS PER MANUFACTURER DETAIL AND ARCHITECT DRAWING NO. MBIP/TUTA/DD16	NO	2		
JUMLAH KESELURUHAN (BIL D)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
E	TOILET AND CHANGING ROOM MALE				
E.1	ELEMENT A - INTERNAL WALL				
E.1.1	BRICKWORK				
E.1.1.1	WELL BURNT CLAY BRICKS BEDDED AND JOINTED IN CEMENT MORTAR (1:3) WITH PLASTICISER AS DESCRIBED :- HALF BRICK WALL (114MM THICK) REINFORCED WITH AND INCLUDING A LAYER OF "EXMET" 65MM WIDE AT EVERY FOURTH COURSE	M2	5		
E.1.1.2	CUBICLE TOILET TO SUPPLY AND INSTALL TOILET CUBICAL APPROVED OF 12MM THICKNESS FINISHED HIGH PRESSURE LAMINATE PHENOLIC BOARD, COMPLETE WITH DOOR, PANELS, PILASTERS, STAINLESS STEEL SHOE CLAMP SYSTEM FIXED TO WALL AND 150MM X 150MM HIGH CONCRETE KERB WITH TILES FINISH, INCLUDING LOCKSETS WITH INDICATOR, HINGES, COAT HOOK WITH RUBBER BUMPERS AND ALL THE NECESSARY FITTINGS AND FIXINGS ARE IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS CUBICLE SIZE 1000MM WIDTH X 2100MM DEPTH	NO	8		
E.1.2	SUNDRIES 6MM DIAMETER MILD STEEL ROD 350MM LONG AS BONDING TIE, ONE END CAST INTO CONCRETE OTHER END BUILT INTO JOINT OF BRICKWALL	NO	15		
E.2	ELEMENT B - WINDOWS				
E.2.1	ALUMINIUM WORK SUPPLY AND INSTALL THE FOLLOWING 1.8MM THICK POWDER COATED ALUMINIUM FRAME PANEL WINDOWS PANELS COMPLETE WITH FRAMES, COUPLING, TRANSOMES, MULLIONS,CONCEALED TOP AND BOTTOM BOLTS, IRONMONGERY, HINGES,GLAZING BEADS AND INCLUDING 6MM THICK TINTED GLASS AS DESCRIBED AND ALL OTHER NECESSARY FITTINGS, SEALANT,FIXING SCREWS AND ACCESSORIES FOR PROPER INSTALLATION AND OPERATION, COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING				
E.2.1.1	TOP HUNG WINDOWS TOP HUNG WINDOW OVERALL SIZE 3000MM X 450MM HIGH COMPRISING OF 5 NOS. OF TOP HUNG WINDOW SIZE 600MM X 450MM HIGH (TYPE W1)	NO	2		
E.3	ELEMENT C - DOORS				
E.3.1	METAL DOOR FRAME				
E.3.1.1	1.6MM THICK POWDER COATED MILD STEEL FRAME DOOR FRAME COMPLETE WITH STAINLESS STEEL RUBBER BUFFER AND STEEL FISHTAIL TO BE GLOSS PAINT FINISH AND INFILLED WITH CEMENT GROUT, INCLUDING ALL NECESSARY BEDDING, FIXING ANCHORS, AND FIXING ACCESSORIES, COVERED ALL SURFACE WITH HOT DIP GALVANISED ALL IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND S.O. APPROVAL OVERALL SIZE 900MM X 2100MM HIGH (TYPE D1)	NO	1		
E.3.2	CARPENTRY AND JOINERY WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARCHITECT DRAWING NO. MBIP/PP/02/2024.				
E.3.2.1	SOLID ENGINEERED TIMBER DOOR 40MM THICK SINGLE SOLID ENGINEERED TIMBER DOOR C/W 100MM X 10MM THICK TIMBER ARCHITRAVE OVERALL SIZE 900MM X 2100MM HIGH COVER WITH 5.2MM THK MOISTURE RESISTANCE GRADE ABCC PLYWOOD FACING INTERNALLY 5.2MM THK WBP PLYWOOD FACING EXTERNAL CONSTRUCTED WITH ENGINEERED TIMBER FORMING STILES, INTERMEDIATE, TOP AND BOTTOM RAILS, INTERMEDIATE INFILLED WITH SOLID PARTICLE WOOD CORE,BOTTOM FACE SEAL WITH WATERPROOF ACRYLLIC COATING,AND HUNG IN POSITION WITH BUTT HINGESS (TYPE D1)	NO	1		
E.4	ELEMENT D - IRONMONGERY				
E.4.1	IRONMONGERY SUPPLY AND FIX THE FOLLOWING IRONMONGERY AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT TO HARDWOOD INCLUDING PROVIDING REQUISITE MATCHING SCREWS AND FIXING ACCESSORIES AS APPROVED BY THE S.O				
E.4.1.1	PAIR 100 X 75MM STAINLESS STEEL SCREW MOUNTED HINGES	NO	3		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
E.4.1.2	ENTRANCE MORTICE LOCK - SUS304 STAINLESS STEEL C/W 64-T-SN KEY THUMBTURN EURO PROFILE CYLINDER C/W SUS304 STAINLESS STEEL TUBE LEVER HANDLE ON ROSE & ESC.	NO	1		
E.4.1.3	FLUSH BOLT - STAINLESS STEEL BOX FLUSH BOLT	NO	1		
E.4.1.4	DOOR CLOSER	NO	1		
E.4.1.5	DOOR STOPPER - STAINLESS STEEL HAT AND COAT HOOK	NO	1		
E.5	ELEMENT E - WALL FINISHES				
E.5.1	INTERNAL WALL FINISHES				
E.5.1.1	CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP INTERNALLY FINISHED WITH STEEL TROWEL :- 20MM PLAINFACE TO WALL AND COLUMN	M2	25		
E.5.1.2	CEMENT AND SAND (1:3) TO RECEIVE GLAZED PORCELAIN WALL TILES :- 13MM THK SCREEDED BACKING	M2	116		
E.5.1.3	TILING GLAZED PORCELAIN TILE APPROVED 900MM X 1800MM MARBLE EFFECT WALL TILES 'GUOCERA' SERIES OR OTHER APPROVED EQUIVALENT BEDDED IN CEMENT AND SAND MORTAR (1:3) POINTED IN MATCHING COLOUR CEMENT AND LAID ON SCREEDED BACKINGS (MEASURED SEPARATELY) TO REQUIRED PATTERN:- TO WALL	M2	116		
E.5.1.4	FLUTED PANEL FINISH SUPPLY AND INSTALL FLUTED PANEL FINISH ALL AS PER DRAWING NO. MBIP/TUTA/DD03 AND ARCHITECT'S APPROVAL	M2	7		
E.6	ELEMENT F - FLOOR FINISHES				
E.6.1	INTERNAL FLOOR FINISHES SCREEDING CEMENT AND SAND (1:3) TO RECEIVE HOMOGENEOUS TILES : -				
E.6.1.1	13MM THK SCREEDED BED	M2	55		
E.6.1.2	13MM THK SCREEDED BACKING TO DROP 100MM HIGH	M	1		
E.6.1.3	13MM THK SCREEDED BACKING TO DROP 50MM HIGH	M	25		
E.6.1.4	TILING APPROVED 150MM X 900MM THK PORCELAIN WOOD TILES WHITE HORSE' SERIES OR OTHER APPROVED EQUIVALENT WITH BORDER,BEDDED,JOINTED AND POINTED IN CEMENT WITH FLUSH JOINT LAID ON CEMENT AND SAND SCREED (MEASURED SEPARATELY) WITH AN APPROVED COLOUR AND PATTERN AS DESCRIBED : -				
E.6.1.5	TO FLOOR	M2	55		
E.6.1.6	FINISH TO DROP 100MM HIGH	M	1		
E.6.1.7	FINISH TO DROP 50MM HIGH	M	25		
E.6.2	WATERPROOFING APPROVED WATER PROOFING MEMBRANE LAID IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATION (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS)				
E.6.2.1	13MM SCREEDED BED TO FLOOR	M2	55		
E.7	ELEMENT G - CEILING FINISHES				
E.7.1	INTERNAL CEILING FINISHES PLASTER BOARD CEILING PLACED ON METAL FRAME AS DESCRIBED COMPLETE WITH SUSPENSION SYSTEM AND FORMING OPENINGS FOR LIGHT FITTINGS, ACCESS PANEL, AIR-CONDITIONING GRILLE OUTLETS,TRIMMING AROUND COLUMNS, ETC. THE WHOLE SUSPENDED WITH HANGERS (PAINTING MEASURED SEPARATELY)				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
E.7.1.1	SUSPENDED CEILING; EXCEEDING 2.50M HIGH BUT NOT EXCEEDING 3.50M HIGH	M2	57		
E.7.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	2		
E.8	ELEMENT H - SANITARY FITTINGS NOTE :- THE SANITARY WARES AND FITTINGS AS SPECIFIED ARE AS AN INDICATION OF THE QUALITY REQUIRED. OTHER MANUFACTURER'S OR OTHER BRANDS ARE ACCEPTABLE IF THE QUALITY IS EQUIVALENT AND APPROVED BY THE S.O.				
E.8.1	SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES				
E.8.1.1	SERICITE SQ 7004' REGAL VITREOUS CHINA SQUATTING PAN OR EQUIVALENT SQUATTING PAN C/W S TRAP, INTEGRAL TREAD PLATES COMPLETE WITH HIGH LEVEL CISTERN & FLUSHING FITTINGS, LEVER HANDLE, AND INCLUDING ALL NECESSARY FITTINGS FIXED INTO POSITION	NO	2		
E.8.1.2	'SERICITE WC 1044' RECURSION ONE PIECE OR EQUIVALENT VITREOUS CHINA WATER CLOSET COMPRISING OF BOWL, S-TRAP BOTTOM OUTLET DISTANCE 250MM, CISTERN LID, DUAL PUSH BUTTON ACTUATION FLUSHING WITH BOTTOM OUTLET CISTERN FITTINGS 3 OR 6 LITER ,STAINLESS STEEL UF SOFT CLOSING SEAT AND COVER, STRAIGHT CONNECTOR, OVERALL DIMENSION 710(L) X 360(W) X 765(H) MM OR OTHER APPROVED EQUIVALENT TO ARCHITECT APPROVAL	NO	2		
E.8.1.3	SERICITE - SR81020', CP BRASS SINGLE LEVER BASIN COLD TAP OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	5		
E.8.1.4	SERICITE - WB2050 NITRONIUM BASIN' VITREOUS CHINA TABLE TOP OR WALL HUNG BASIN WITH OVERALL SIZE 400(L)MM X 400(W) MM X 150(H) MM, 1 PAIR OF BRACKET, 44MM WASTE OUTLET, FULL PUNCHED ONE TAP HOLE, FISHER BOLT AND NUTS WITH ALL NECESSARY FITTINGS AND FIXED INTO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	5		
E.8.1.5	SERICITE - A70005' HAND SPRAY BIDET OR OTHER EQUIVALENT COMPLETE WITH 1.2M STAINLESS STEEL CHROME FLEXIBLE HOSE AND ABS WALL BRACKET INCLUDING JOINTING TO PIPE	NO	4		
E.8.2	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES				
E.8.2.1	SERICITE - SR16001' BRASS ANGLE VALVE IN CHROME PLATED COMPLETE WITH FLANGE OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
E.8.2.2	SERICITE - SH60006' STAINLESS STEEL SINGLE FUNCTION SHOWER ROSE C/W SHOWER ARM INCLUDING ALL NECESSARY FITTINGS FIXED TO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
E.8.2.3	SERICITE - SR16002' STAINLESS STEEL BRASS SINGLE LEVER CONCEALED SHOWER COLD WATER OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
E.8.2.4	SERICITE - A70025' STAINLESS STEEL SOAP BASKET - SCREW TO WALL 140MM X 90MM X 30MM INCLUDING ALL NECESSARY FITTINGS FIXED TO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
E.8.2.5	SERICITE - A70020' STAINLESS STEEL TOILET PAPER HOLDER 148MM X 75MM X 157MM OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
E.8.2.6	1" FULL-TURN CONCEALED STOP COCK - CROSS HANDLE INCLUDING FIXING AND JOINTING TO DISTRIBUTION PIPE	NO	2		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
E.8.2.7	SERICITE - A70004C' STAINLESS STEEL FLOOR TRAP, 5' X 5' STAINLESS STEEL FLOOR TRAP COMPLETE WITH PVC HOLDER & FILTER OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	9		
E.8.3	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES				
E.8.3.1	4000MM X 1200MM X 6MM THICK FREMELESS WALL MOUNTED MIRROR ON AND INCLUDING 6MM THICK WATERPROOF PLYWOOD BACKING WITH CHROMIUM PLATED DOME HEAD SCREW AND RUBBER WASHER SCREWED TO WALL	M2	5		
E.8.3.2	ON COMPLETION OF THE SANITARY FITTINGS INSTALLATION, TEST ALL PIPING AND FITTINGS AND LEAVE COMPLETE INSTALLATION IN PERFECT WORKING ORDER AND TO THE SATISFACTION OF THE S.O.	LOT	1		
E.8.3.3	BUILDER'S WORK IN CONNECTION WITH SANITARY FITTINGS CONSTRUCT AND COMPLETE CONCRETE TABLE TOP INCLUDING ALL NECESSARY CONCRETE WORKS, FORMWORKS AND REINFORCEMENT AND COMPLETE WITH ALL NECESSARY SOLID SURFACE FINISHES PATTERN AND COLOUR AS PER MANUFACTURER DETAILS.	M2	3		
E.9	ELEMENT J - PAINTING AND DECORATION				
E.9.1	WALL AND CEILING PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF				
E.9.1.1	GENERAL SURFACES OF CEILING	M2	87		
E.9.1.2	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	25		
E.9.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF GENERAL SURFACES OF CEILING	M2	87		
E.9.2	METALWORK PREPARE AND PAINT ONE COAT METALLIC PRIMER, ONE UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT:-				
E.9.2.1	SURFACES EXCEEDING 100MM GIRTH AND NOT EXCEEDING 200MM GIRTH	M	6		
E.10	ELEMENT K - SIGNAGES				
E.10.1	SUPPLY AND INSTALL 5MM THICK CLEAR ACRYLIC PANEL OR OTHER APPROVED EQUIVALENT BUILDING SIGNAGES WITH ONE LAYER STAINLESS STEEL STICKER WITH ONE LAYER TRANSPARENT RESERVE STICKER PRINTING AND COMPLETE WITH WORDING AND MOTIF ALL TO BE FIXED WITH HEAVY DUTY ADHESIVE ALL AS PER ARCHITECT'S DRAWING AND S.O. APPROVAL				
E.10.1.1	TANDAS LELAKI' SIGN OVERALL SIZE 165MM X 165MM HIGH	NO	1		
E.10.1.2	WC' SIGN OVERALL SIZE 75MM X 75MM HIGH	NO	2		
E.10.1.3	SQUATTING' SIGN OVERALL SIZE 75MM X 75MM HIGH	NO	2		
JUMLAH KESELURUHAN (BIL E)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
F	TOILET AND CHANGING ROOM FEMALE				
F.1	ELEMENT A - INTERNAL WALL				
F.1.1	BRICKWORK WELL BURNT CLAY BRICKS BEDDED AND JOINTED IN CEMENT MORTAR (1:3) WITH PLASTICISER AS DESCRIBED :-				
F.1.1.1	HALF BRICK WALL (114MM THICK) REINFORCED WITH AND INCLUDING A LAYER OF "EXMET" 65MM WIDE AT EVERY FOURTH COURSE	M2	5		
F.1.1.2	CUBICLE TOILET TO SUPPLY AND INSTALL TOILET CUBICAL APPROVED OF 12MM THICKNESS FINISHED HIGH PRESSURE LAMINATE PHENOLIC BOARD, COMPLETE WITH DOOR, PANELS, PILASTERS, STAINLESS STEEL SHOE CLAMP SYSTEM FIXED TO WALL AND 150MM X 150MM HIGH CONCRETE KERB WITH TILES FINISH, INCLUDING LOCKSETS WITH INDICATOR, HINGES, COAT HOOK WITH RUBBER BUMPERS AND ALL THE NECESSARY FITTINGS AND FIXINGS ARE IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS CUBICLE SIZE 1000MM WIDTH X 2100MM DEPTH	NO	8		
F.1.1.3	SUNDRIES 6MM DIAMETER MILD STEEL ROD 350MM LONG AS BONDING TIE, ONE END CAST INTO CONCRETE OTHER END BUILT INTO JOINT OF BRICKWALL	NO	15		
F.2	ELEMENT B - WINDOWS				
F.2.1	ALUMINIUM WORK SUPPLY AND INSTALL THE FOLLOWING 1.8MM THICK POWDER COATED ALUMINIUM FRAME PANEL WINDOWS PANELS COMPLETE WITH FRAMES, COUPLING, TRANSOMES, MULLIONS, CONCEALED TOP AND BOTTOM BOLTS, IRONMONGERY, HINGES, GLAZING BEADS AND INCLUDING 6MM THICK TINTED GLASS AS DESCRIBED AND ALL OTHER NECESSARY FITTINGS, SEALANT, FIXING SCREWS AND ACCESSORIES FOR PROPER INSTALLATION AND OPERATION, COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING TOP HUNG WINDOWS				
F.2.1.1	TOP HUNG WINDOW OVERALL SIZE 3000MM X 450MM HIGH COMPRISING OF 5 NOS. OF TOP HUNG WINDOW SIZE 600MM X 450MM HIGH (TYPE W1)	NO	1		
F.2.1.2	TOP HUNG WINDOW OVERALL SIZE 4200MM X 450MM HIGH COMPRISING OF 7 NOS. OF TOP HUNG WINDOW SIZE 600MM X 450MM HIGH (TYPE W2)	NO	1		
F.3	ELEMENT C - DOORS				
F.3.1	METAL DOOR FRAME 1.6MM THICK POWDER COATED MILD STEEL FRAME DOOR FRAME COMPLETE WITH STAINLESS STEEL RUBBER BUFFER AND STEEL FISHTAIL TO BE GLOSS PAINT FINISH AND INFILLED WITH CEMENT GROUT, INCLUDING ALL NECESSARY BEDDING, FIXING ANCHORS, AND FIXING ACCESSORIES, COVERED ALL SURFACE WITH HOT DIP GALVANISED ALL IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND S.O. APPROVAL				
F.3.1.1	OVERALL SIZE 900MM X 2100MM HIGH (TYPE D1)	NO	1		
F.3.1.2	CARPENTRY AND JOINERY WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARCHITECT DRAWING NO. MBIP/PP/02/2024. SOLID ENGINEERED TIMBER DOOR 40MM THICK SINGLE SOLID ENGINEERED TIMBER DOOR C/W 100MM X 10MM THICK TIMBER ARCHITRAVE OVERALL SIZE 900MM X 2100MM HIGH COVER WITH 5.2MM THK MOISTURE RESISTANCE GRADE ABCC PLYWOOD FACING INTERNALLY 5.2MM THK WBP PLYWOOD FACING EXTERNAL CONSTRUCTED WITH ENGINEERED TIMBER FORMING STILES, INTERMEDIATE, TOP AND BOTTOM RAILS, INTERMEDIATE INFILLED WITH SOLID PARTICLE WOOD CORE, BOTTOM FACE SEAL WITH WATERPROOF ACRYLLIC COATING, AND HUNG IN POSITION WITH BUTT HINGESS (TYPE D1)	NO	1		
F.4	ELEMENT D - IRONMONGERY				
F.4.1	IRONMONGERY SUPPLY AND FIX THE FOLLOWING IRONMONGERY AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT TO HARDWOOD INCLUDING PROVIDING REQUISITE MATCHING SCREWS AND FIXING ACCESSORIES AS APPROVED BY THE S.O				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
F.4.1.1	PAIR 100 X 75MM STAINLESS STEEL SCREW MOUNTED HINGES	NO	3		
F.4.1.2	ENTRANCE MORTICE LOCK - SUS304 STAINLESS STEEL C/W 64-T-SN KEY THUMBTURN EURO PROFILE CYLINDER C/W SUS304 STAINLESS STEEL TUBE LEVER HANDLE ON ROSE & ESC.	NO	1		
F.4.1.3	FLUSH BOLT - STAINLESS STEEL BOX FLUSH BOLT	NO	1		
F.4.1.4	DOOR CLOSER	NO	1		
F.4.1.5	DOOR STOPPER - STAINLESS STEEL HAT AND COAT HOOK	NO	1		
F.5	ELEMENT E - WALL FINISHES				
F.5.1	INTERNAL WALL FINISHES				
F.5.1.1	CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP INTERNALLY FINISHED WITH STEEL TROWEL :- 20MM PLAINFACE TO WALL AND COLUMN	M2	25		
F.5.1.2	CEMENT AND SAND (1:3) TO RECEIVE GLAZED PORCELAIN WALL TILES :- 13MM THK SCREEDED BACKING	M2	118		
F.5.1.3	TILING GLAZED PORCELAIN TILE APPROVED 900MM X 1800MM MARBLE EFFECT WALL TILES 'GUOCERA' SERIES OR OTHER APPROVED EQUIVALENT BEDDED IN CEMENT AND SAND MORTAR (1:3) POINTED IN MATCHING COLOUR CEMENT AND LAID ON SCREEDED BACKINGS (MEASURED SEPARATELY) TO REQUIRED PATTERN:- TO WALL	M2	118		
F.5.1.4	FLUTED PANEL FINISH SUPPLY AND INSTALL FLUTED PANEL FINISH ALL AS PER DRAWING NO. MBIP/TUTA/DD03 AND ARCHITECT'S APPROVAL	M2	7		
F.6	ELEMENT F - FLOOR FINISHES				
F.6.1	INTERNAL FLOOR FINISHES **SCREEDING** CEMENT AND SAND (1:3) TO RECEIVE PORCELAIN WOOD TILES : -				
F.6.1.1	13MM THK SCREEDED BED	M2	57		
F.6.1.2	13MM THK SCREEDED BACKING TO DROP 100MM HIGH	M	1		
F.6.1.3	13MM THK SCREEDED BACKING TO DROP 50MM HIGH	M	25		
F.6.2	TILING APPROVED 150MM X 900MM THK PORCELAIN WOOD TILES WHITE HORSE' SERIES OR OTHER APPROVED EQUIVALENT WITH BORDER,BEDDED,JOINTED AND POINTED IN CEMENT WITH FLUSH JOINT LAID ON CEMENT AND SAND SCREED (MEASURED SEPARATELY) WITH AN APPROVED COLOUR AND PATTERN AS DESCRIBED : -				
F.6.2.1	TO FLOOR	M2	57		
F.6.2.2	FINISH TO DROP 100MM HIGH	M	1		
F.6.2.3	FINISH TO DROP 50MM HIGH	M	25		
F.6.3	WATERPROOFING APPROVED WATER PROOFING MEMBRANE LAID IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATION (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS)				
F.6.3.1	13MM SCREEDED BED TO FLOOR	M2	57		
F.7	ELEMENT G - CEILING FINISHES				
F.7.1	INTERNAL CEILING FINISHES PLASTER BOARD CEILING PLACED ON METAL FRAME AS DESCRIBED COMPLETE WITH SUSPENSION SYSTEM AND FORMING OPENINGS FOR LIGHT FITTINGS, ACCESS PANEL, AIR-CONDITIONING GRILLE OUTLETS, TRIMMING AROUND COLUMNS, ETC. THE WHOLE SUSPENDED WITH HANGERS (PAINTING MEASURED SEPARATELY)				
F.7.1.1	SUSPENDED CEILING; EXCEEDING 2.50M HIGH BUT NOT EXCEEDING 3.50M HIGH	M2	59		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
F.7.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	2		
F.8	ELEMENT H - SANITARY FITTINGS				
F.8.1	NOTE :- THE SANITARY WARES AND FITTINGS AS SPECIFIED ARE AS AN INDICATION OF THE QUALITY REQUIRED. OTHER MANUFACTURER'S OR OTHER BRANDS ARE ACCEPTABLE IF THE QUALITY IS EQUIVALENT AND APPROVED BY THE S.O. SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES				
F.8.1.1	'SERICITE SQ 7004' REGAL VITREOUS CHINA SQUATTING PAN OR EQUIVALENT SQUATTING PAN C/W S TRAP, INTEGRAL TREAD PLATES COMPLETE WITH HIGH LEVEL CISTERN & FLUSHING FITTINGS, LEVER HANDLE, AND INCLUDING ALL NECESSARY FITTINGS FIXED INTO POSITION	NO	2		
F.8.1.2	'SERICITE WC 1044' RECURSION ONE PIECE OR EQUIVALENT VITREOUS CHINA WATER CLOSET COMPRISING OF BOWL, S-TRAP BOTTOM OUTLET DISTANCE 250MM, CISTERN LID, DUAL PUSH BUTTON ACTUATION FLUSHING WITH BOTTOM OUTLET CISTERN FITTINGS 3 OR 6 LITER ,STAINLESS STEEL UF SOFT CLOSING SEAT AND COVER, STRAIGHT CONNECTOR, OVERALL DIMENSION 710(L) X 360(W) X 765(H) MM OR OTHER APPROVED EQUIVALENT TO ARCHITECT APPROVAL	NO	2		
F.8.1.3	'SERICITE - SR81020', CP BRASS SINGLE LEVER BASIN COLD TAP OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	5		
F.8.1.4	'SERICITE - WB2050 NITRONIUM BASIN' VITREOUS CHINA TABLE TOP OR WALL HUNG BASIN WITH OVERALL SIZE 400(L)MM X 400(W) MM X 150(H) MM, 1 PAIR OF BRACKET, 44MM WASTE OUTLET, FULL PUNCHED ONE TAP HOLE, FISHER BOLT AND NUTS WITH ALL NECESSARY FITTINGS AND FIXED INTO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	5		
F.8.1.5	SERICITE - A70005' HAND SPRAY BIDET OR OTHER EQUIVALENT COMPLETE WITH 1.2M STAINLESS STEEL CHROME FLEXIBLE HOSE AND ABS WALL BRACKET INCLUDING JOINTING TO PIPE	NO	4		
F.8.2	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES (CONT'D)				
F.8.2.1	'SERICITE - SR16001' BRASS ANGLE VALVE IN CHROME PLATED COMPLETE WITH FLANGE OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
F.8.2.2	SERICITE - SR16002' STAINLESS STEEL BRASS SINGLE LEVER CONCEALED SHOWER COLD WATER OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
F.8.2.3	SERICITE - A70025' STAINLESS STEEL SOAP BASKET SCREW TO WALL 140MM X 90MM X 30MM INCLUDING ALL NECESSARY FITTINGS FIXED TO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
F.8.2.4	'SERICITE - A70020' STAINLESS STEEL TOILET PAPER HOLDER 148MM X 75MM X 157MM OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
F.8.2.5	1" FULL-TURN CONCEALED STOP COCK - CROSS HANDLE INCLUDING FIXING AND JOINTING TO DISTRIBUTION PIPE	NO	2		
F.8.2.6	SERICITE - A70004C' STAINLESS STEEL FLOOR TRAP, 5' X 5' STAINLESS STEEL FLOOR TRAP COMPLETE WITH PVC HOLDER & FILTER OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	9		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
F.8.2.7	SERICITE - SH60006' STAINLESS STEEL SINGLE FUNCTION SHOWER ROSE C/W SHOWER ARM INCLUDING ALL NECESSARY FITTINGS FIXED TO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
F.8.3	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES (CONT'D)				
F.8.3.1	4000MM X 1200MM X 6MM THICK FRAMELESS WALL MOUNTED MIRROR ON AND INCLUDING 6MM THICK WATERPROOF PLYWOOD BACKING WITH CHROMIUM PLATED DOME HEAD SCREW AND RUBBER WASHER SCREWED TO WALL	M2	6		
F.8.3.2	ON COMPLETION OF THE SANITARY FITTINGS INSTALLATION, TEST ALL PIPING AND FITTINGS AND LEAVE COMPLETE INSTALLATION IN PERFECT WORKING ORDER AND TO THE SATISFACTION OF THE S.O.	PUKAL	-		
F.8.3.3	BUILDER'S WORK IN CONNECTION WITH SANITARY FITTINGS CONSTRUCT AND COMPLETE CONCRETE TABLE TOP INCLUDING ALL NECESSARY CONCRETE WORKS, FORMWORKS AND REINFORCEMENT AND COMPLETE WITH ALL NECESSARY SOLID SURFACE FINISHES PATTERN AND COLOUR AS PER MANUFACTURER DETAILS.	M2	3		
F.9	ELEMENT J - PAINTING AND DECORATION				
F.9.1	WALL AND CEILING				
F.9.1.1	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF GENERAL SURFACES OF CEILING	M2	89		
F.9.1.2	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	25		
F.9.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF GENERAL SURFACES OF CEILING	M2	89		
F.9.2	METALWORK				
F.9.2.1	PREPARE AND PAINT ONE COAT METALLIC PRIMER, ONE UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT:- SURFACES EXCEEDING 100MM GIRTH AND NOT EXCEEDING 200MM GIRTH	M	6		
F.10	ELEMENT K - SIGNAGES				
F.10.1	SUPPLY AND INSTALL 5MM THICK CLEAR ACRYLIC PANEL OR OTHER APPROVED EQUIVALENT BUILDING SIGNAGES WITH ONE LAYER STAINLESS STEEL STICKER WITH ONE LAYER TRANSPARENT RESERVE STICKER PRINTING AND COMPLETE WITH WORDING AND MOTIF ALL TO BE FIXED WITH HEAVY DUTY ADHESIVE ALL AS PER ARCHITECT'S DRAWING AND S.O. APPROVAL				
F.10.1.1	TANDAS OKU' SIGN OVERALL SIZE 165MM X 165MM HIGH	NO	1		
F.10.1.2	'WC' SIGN OVERALL SIZE 75MM X 75MM HIGH	NO	2		
F.10.1.3	SQUATTING' SIGN OVERALL SIZE 75MM X 75MM HIGH	NO	2		
JUMLAH KESELURUHAN (BIL F)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
G	OKU TOILET				
G.1	ELEMENT A - WINDOWS				
G.1.1	ALUMINIUM WORK SUPPLY AND INSTALL THE FOLLOWING 1.8MM THICK POWDER COATED ALUMINIUM FRAME PANEL WINDOWS PANELS COMPLETE WITH FRAMES, COUPLING, TRANSOMES, MULLIONS, CONCEALED TOP AND BOTTOM BOLTS, IRONMONGERY, HINGES, GLAZING BEADS AND INCLUDING 6MM THICK TINTED GLASS AS DESCRIBED AND ALL OTHER NECESSARY FITTINGS, SEALANT, FIXING SCREWS AND ACCESSORIES FOR PROPER INSTALLATION AND OPERATION, COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING				
G.1.1.1	TOP HUNG WINDOWS TOP HUNG WINDOW OVERALL SIZE 1800MM X 450MM HIGH COMPRISING OF 3 NOS. OF TOP HUNG WINDOW SIZE 600MM X 450MM HIGH (TYPE W3)	NO	1		
G.2	ELEMENT B - DOORS				
G.2.1	METAL DOOR FRAME 1.6MM THICK POWDER COATED MILD STEEL FRAME DOOR FRAME COMPLETE WITH STAINLESS STEEL RUBBER BUFFER AND STEEL FISHTAIL TO BE GLOSS PAINT FINISH AND INFILLED WITH CEMENT GROUT, INCLUDING ALL NECESSARY BEDDING, FIXING ANCHORS, AND FIXING ACCESSORIES, COVERED ALL SURFACE WITH HOT DIP GALVANISED ALL IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND S.O. APPROVAL				
G.2.1.1	OVERALL SIZE 1100MM X 2100MM HIGH (TYPE D2)	NO	1		
G.2.1.2	CARPENTRY AND JOINERY WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARCHITECT DRAWING NO. MBIP/PP/02/2024. SOLID ENGINEERED TIMBER DOOR 40MM THICK SINGLE SOLID ENGINEERED TIMBER DOOR C/W 100MM X 10MM THICK TIMBER ARCHITRAVE OVERALL SIZE 1100MM X 2100MM HIGH COVER WITH 5.2MM THK MOISTURE RESISTANCE GRADE ABCC PLYWOOD FACING INTERNALLY 5.2MM THK WBP PLYWOOD FACING EXTERNAL CONSTRUCTED WITH ENGINEERED TIMBER FORMING STILES, INTERMEDIATE, TOP AND BOTTOM RAILS, INTERMEDIATE INFILLED WITH SOLID PARTICLE WOOD CORE, BOTTOM FACE SEAL WITH WATERPROOF ACRYLLIC COATING, AND HUNG IN POSITION WITH BUTT HINGESS (TYPE D2)	NO	1		
G.3	ELEMENT D - IRONMONGERY				
G.3.1	IRONMONGERY SUPPLY AND FIX THE FOLLOWING IRONMONGERY AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT TO HARDWOOD INCLUDING PROVIDING REQUISITE MATCHING SCREWS AND FIXING ACCESSORIES AS APPROVED BY THE S.O				
G.3.1.1	PAIR 100 X 75MM STAINLESS STEEL SCREW MOUNTED HINGES	NO	3		
G.3.1.2	ENTRANCE MORTICE LOCK - SUS304 STAINLESS STEEL C/W 64-T-SN KEY THUMBTURN EURO PROFILE CYLINDER C/W SUS304 STAINLESS STEEL TUBE LEVER HANDLE ON ROSE & ESC.	NO	1		
G.3.1.3	FLUSH BOLT - STAINLESS STEEL BOX FLUSH BOLT	NO	1		
G.3.1.4	DOOR CLOSER	NO	1		
G.3.1.5	DOOR STOPPER - STAINLESS STEEL HAT AND COAT HOOK	NO	1		
G.4	ELEMENT E - WALL FINISHES				
G.4.1	INTERNAL WALL FINISHES				
G.4.1.1	CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP INTERNALLY FINISHED WITH STEEL TROWEL :- 20MM PLAINFACE TO WALL AND COLUMN	M2	10		
G.4.1.2	CEMENT AND SAND (1:3) TO RECEIVE GLAZED PORCELAIN WALL TILES :- 13MM THK SCREEDED BACKING	M2	64		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
G.4.1.3	TILING GLAZED PORCELAIN TILE APPROVED 900MM X 1800MM MARBLE EFFECT WALL TILES 'GUOCERA' SERIES OR OTHER APPROVED EQUIVALENT BEDDED IN CEMENT AND SAND MORTAR (1:3) POINTED IN MATCHING COLOUR CEMENT AND LAID ON SCREEDED BACKINGS (MEASURED SEPARATELY) TO REQUIRED PATTERN:- TO WALL	M2	64		
G.5	ELEMENT E - FLOOR FINISHES				
G.5.1	INTERNAL FLOOR FINISHES SCREEDING CEMENT AND SAND (1:3) TO RECEIVE HOMOGENEOUS ILES : -				
G.5.1.1	13MM THK SCREEDED BED	M2	10		
G.5.1.2	13MM THK BACKING SCREED TO DROP 100MM HIGH	M	1		
G.5.1.3	13MM THK BACKING SCREED TO RAMP 50MM HIGH	M	2		
G.5.1.4	TILING APPROVED 150MM X 900MM THK PORCELAIN WOOD TILES WHITE HORSE' SERIES OR OTHER APPROVED EQUIVALENT WITH BORDER,BEDDED,JOINTED AND POINTED IN CEMENT WITH FLUSH JOINT LAID ON CEMENT AND SAND SCREED (MEASURED SEPARATELY) WITH AN APPROVED COLOUR AND PATTERN AS DESCRIBED : -				
G.5.1.5	TO FLOOR	M2	10		
G.5.1.6	FINISH TO DROP 100MM HIGH	M	1		
G.5.1.7	FINISH TO RAMP 50MM HIGH	M	2		
G.5.2	WATERPROOFING APPROVED WATER PROOFING MEMBRANE LAID IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATION (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS) 13MM SCREEDED BED TO FLOOR	M2	10		
G.6	ELEMENT F - CEILING FINISHES				
G.6.1	INTERNAL CEILING FINISHES PLASTER BOARD CEILING PLACED ON METAL FRAME AS DESCRIBED COMPLETE WITH SUSPENSION SYSTEM AND FORMING OPENINGS FOR LIGHT FITTINGS, ACCESS PANEL, AIR-CONDITIONING GRILLE OUTLETS, TRIMMING AROUND COLUMNS, ETC. THE WHOLE SUSPENDED WITH HANGERS (PAINTING MEASURED SEPARATELY)				
G.6.1.1	GENERAL CEILING	M2	10		
G.6.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	1		
G.7	ELEMENT H - SANITARY FITTINGS				
G.7.1	NOTE :- THE SANITARY WARES AND FITTINGS AS SPECIFIED ARE AS AN INDICATION OF THE QUALITY REQUIRED. OTHER MANUFACTURER'S OR OTHER BRANDS ARE ACCEPTABLE IF THE QUALITY IS EQUIVALENT AND APPROVED BY THE S.O. SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES				
G.7.1.1	SERICITE - WC1013 PARA VITREOUS CHINA BACK TO WALL WASH DOWN PEDESTAL WC' OR EQUIVALENT OVERALL SIZE 650MM (L) X 378MM (W) X 395MM (H) C/W S TRAP, INTEGRAL TREAD PLATES COMPLETE WITH LOW LEVEL CISTERN & FLUSHING FITTINGS, LEVER HANDLE, AND INCLUDING ALL NECESSARY FITTINGS FIXED INTO POSITION TO ARCHITECT APPROVAL	NO	1		
G.7.1.2	SERICITE - SR15026', CP BRASS SINGLE LEVER BASIN COLD TAP OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
G.7.1.3	SERICITE - WB2015 CHIRAL BASIN' VITREOUS CHINA WALL HUNG WASH BASIN FOR DISABLED-PERSON WITH OVERALL SIZE 640(L)MM X 650(W) MM X 205(H) MM, 1 PAIR OF BRACKET, 44MM WASTE OUTLET, FULL PUNCHED ONE TAP HOLE, FISHER BOLT AND NUTS WITH ALL NECESSARY FITTINGS AND FIXED INTO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		
G.7.1.4	SERICITE - A70005' HAND SPRAY BIDET OR OTHER EQUIVALENT COMPLETE WITH 1.2M STAINLESS STEEL CHROME FLEXIBLE HOSE AND ABS WALL BRACKET INCLUDING JOINTING TO PIPE	NO	1		
G.7.1.5	SERICITE - SR16001' BRASS ANGLE VALVE IN CHROME PLATED COMPLETE WITH FLANGE OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		
G.7.2	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES (CONT'D)				
G.7.2.1	SERICITE - A70016' WALL MOUNTED STAINLESS STEEL GRAB BAR COMPLETE WITH STAND OR OR OTHER EQUIVALENT INCLUDING ALL NECESSARY FITTINGS FIXED TO POSITION TO ARCHITECT'S APPROVAL	NO	1		
G.7.2.2	SELECTED WALL MOUNTED STAINLESS STEEL SAFETY GRAB BAR INCLUDING ALL NECESSARY FITTINGS AND JOINTINGS FIXED TO POSITION TO ARCHITECT'S APPROVAL	NO	2		
G.7.2.3	SELECTED WALL MOUNTED STAINLESS STEEL FLIP UP BAR INCLUDING ALL NECESSARY FITTINGS AND JOINTINGS FIXED TO POSITION TO ARCHITECT'S APPROVAL	NO	1		
G.7.2.4	SERICITE - A70020' STAINLESS STEEL TOILET PAPER HOLDER 148MM X 75MM X 157MM OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	4		
G.7.2.5	1" FULL-TURN CONCEALED STOP COCK - CROSS HANDLE INCLUDING FIXING AND JOINTING TO DISTRIBUTION PIPE	NO	1		
G.7.2.6	SERICITE - A70004C' STAINLESS STEEL FLOOR TRAP, 5' X 5' STAINLESS STEEL FLOOR TRAP COMPLETE WITH PVC HOLDER & FILTER OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	2		
G.7.3	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES (CONT'D)				
G.7.3.1	650MM X 1200MM X 6MM THICK FREMELESS WALL MOUNTED MIRROR ON AND INCLUDING 6MM THICK WATERPROOF PLYWOOD BACKING WITH CHROMIUM PLATED DOME HEAD SCREW AND RUBBER WASHER SCREWED TO WALL	M2	1		
G.7.3.2	ON COMPLETION OF THE SANITARY FITTINGS INSTALLATION, TEST ALL PIPING AND FITTINGS AND LEAVE COMPLETE INSTALLATION IN PERFECT WORKING ORDER AND TO THE SATISFACTION OF THE S.O.	PUKAL	-		
G.7.3.3	BUILDER'S WORK IN CONNECTION WITH SANITARY FITTINGS CONSTRUCT AND COMPLETE CONCRETE TABLE TOP INCLUDING ALL NECESSARY CONCRETE WORKS, FORMWORKS AND REINFORCEMENT AND COMPLETE WITH ALL NECESSARY SOLID SURFACE FINISHES PATTERN AND COLOUR AS PER MANUFACTURER DETAILS	M2	1		
G.8	ELEMENT J - PAINTING AND DECORATION				
G.8.1	WALL AND CEILING PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF				
G.8.1.1	PLASTERED WALL AND COLUMN	M2	0		RATE ONLY
G.8.1.2	GENERAL SURFACES OF CEILING	M2	10		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
G.8.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	0		RATE ONLY
G.8.1.4	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF GENERAL SURFACES OF CEILING	M2	10		
G.8.2	METALWORK PREPARE AND PAINT ONE COAT METALLIC PRIMER, ONE UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT:-				
G.8.2.1	SURFACES EXCEEDING 100MM GIRTH AND NOT EXCEEDING 200MM GIRTH	M2	6		
G.9	ELEMENT K - SIGNAGES				
G.9.1	SUPPLY AND INSTALL 5MM THICK CLEAR ACRYLIC PANEL OR OTHER APPROVED EQUIVALENT BUILDING SIGNAGES WITH ONE LAYER STAINLESS STEEL STICKER WITH ONE LAYER TRANSPARENT RESERVE STICKER PRINTING AND COMPLETE WITH WORDING AND MOTIF ALL TO BE FIXED WITH HEAVY DUTY ADHESIVE ALL AS PER ARCHITECT'S DRAWING AND S.O. APPROVAL TANDAS OKU' SIGN OVERALL SIZE 165MM X 165MM HIGH	NO	1		
JUMLAH KESELURUHAN (BIL G)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
H	PUBLIC TOILET ALL PROVISIONAL				
H.1	ELEMENT A - INTERNAL WALL				
H.1.1	BRICKWORK				
H.1.1.1	CUBICLE TOILET TO SUPPLY AND INSTALL TOILET CUBICAL APPROVED OF 12MM THICKNESS FINISHED HIGH PRESSURE LAMINATE PHENOLIC BOARD, COMPLETE WITH DOOR, PANELS, PILASTERS, STAINLESS STEEL SHOE CLAMP SYSTEM FIXED TO WALL AND 150MM X 150MM HIGH CONCRETE KERB WITH TILES FINISH, INCLUDING LOCKSETS WITH INDICATOR, HINGES, COAT HOOK WITH RUBBER BUMPERS AND ALL THE NECESSARY FITTINGS AND FIXINGS ARE IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS CUBICLE SIZE 1000MM WIDTH X 2100MM DEPTH	NO	2		
H.2	ELEMENT B - WINDOWS				
H.2.1	ALUMINIUM WORK SUPPLY AND INSTALL THE FOLLOWING 1.8MM THICK POWDER COATED ALUMINIUM FRAME PANEL WINDOWS PANELS COMPLETE WITH FRAMES, COUPLING, TRANSOMES, MULLIONS, CONCEALED TOP AND BOTTOM BOLTS, IRONMONGERY, HINGES, GLAZING BEADS AND INCLUDING 6MM THICK TINTED GLASS AS DESCRIBED AND ALL OTHER NECESSARY FITTINGS, SEALANT, FIXING SCREWS AND ACCESSORIES FOR PROPER INSTALLATION AND OPERATION, COMPLETE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS ALL AS SHOWN IN ARCHITECT'S DETAIL DRAWING				
H.2.1.1	ALUMINIUM LOUVERS WINDOWS ALUMINIUM LOUVERS WINDOW OVERALL SIZE 1200MM X 450MM HIGH COMPRISING OF 2 NOS. OF WINDOW SIZE 600MM X 450MM HIGH (TYPE W4)	NO	1		
H.3	ELEMENT C - DOORS				
H.3.1	METAL DOOR FRAME 1.6MM THICK POWDER COATED MILD STEEL FRAME DOOR FRAME COMPLETE WITH STAINLESS STEEL RUBBER BUFFER AND STEEL FISHTAIL TO BE GLOSS PAINT FINISH AND INFILLED WITH CEMENT GROUT, INCLUDING ALL NECESSARY BEDDING, FIXING ANCHORS, AND FIXING ACCESSORIES, COVERED ALL SURFACE WITH HOT DIP GALVANISED ALL IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND S.O. APPROVAL				
H.3.1.1	OVERALL SIZE 900MM X 2100MM HIGH (TYPE D1)	NO	1		
H.3.2	CARPENTRY AND JOINERY WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARCHITECT DRAWING NO. MBIP/PP/02/2024.				
H.3.2.1	SOLID ENGINEERED TIMBER DOOR 40MM THICK SINGLE SOLID ENGINEERED TIMBER DOOR C/W 100MM X 10MM THICK TIMBER ARCHITRAVE OVERALL SIZE 900MM X 2100MM HIGH COVER WITH 5.2MM THK MOISTURE RESISTANCE GRADE ABCC PLYWOOD FACING INTERNALLY 5.2MM THK WBP PLYWOOD FACING EXTERNAL CONSTRUCTED WITH ENGINEERED TIMBER FORMING STILES, INTERMEDIATE, TOP AND BOTTOM RAILS, INTERMEDIATE INFILLED WITH SOLID PARTICLE WOOD CORE, BOTTOM FACE SEAL WITH WATERPROOF ACRYLLIC COATING, AND HUNG IN POSITION WITH BUTT HINGES (TYPE D1)	NO	1		
H.4	ELEMENT D - IRONMONGERY				
H.4.1	IRONMONGERY SUPPLY AND FIX THE FOLLOWING IRONMONGERY AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT TO HARDWOOD INCLUDING PROVIDING REQUISITE MATCHING SCREWS AND FIXING ACCESSORIES AS APPROVED BY THE S.O				
H.4.1.1	PAIR 100 X 75MM STAINLESS STEEL SCREW MOUNTED HINGES	NO	3		
H.4.1.2	ENTRANCE MORTICE LOCK - SUS304 STAINLESS STEEL C/W 64-T-SN KEY THUMBTURN EURO PROFILE CYLINDER C/W SUS304 STAINLESS STEEL TUBE LEVER HANDLE ON ROSE & ESC.	NO	1		
H.4.1.3	FLUSH BOLT - STAINLESS STEEL BOX FLUSH BOLT	NO	1		
H.4.1.4	DOOR CLOSER	NO	1		
H.4.1.5	DOOR STOPPER - STAINLESS STEEL HAT AND COAT HOOK	NO	1		
H.5	ELEMENT E - WALL FINISHES				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
H.5.1	INTERNAL WALL FINISHES CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP INTERNALLY FINISHED WITH STEEL TROWEL :-				
H.5.1.1	20MM PLAINFACE TO WALL AND COLUMN	M2	4		
H.5.2	CEMENT AND SAND (1:3) TO RECEIVE GLAZED PORCELAIN WALL TILES :- 13MM THK SCREEDED BACKING	M2	37		
H.5.3	TILING GLAZED PORCELAIN TILE APPROVED 900MM X 1800MM MARBLE EFFECT WALL TILES 'GUOCERA' SERIES OR OTHER APPROVED EQUIVALENT BEDDED IN CEMENT AND SAND MORTAR (1:3) POINTED IN MATCHING COLOUR CEMENT AND LAID ON SCREEDED BACKINGS (MEASURED SEPARATELY) TO REQUIRED PATTERN:-				
H.5.3.1	TO WALL	M2	37		
H.6	ELEMENT F - FLOOR FINISHES INTERNAL FLOOR FINISHES				
H.6.1	SCREEDING CEMENT AND SAND (1:3) TO RECEIVE HOMOGENEOUS TILES : -				
H.6.1.1	13MM THK SCREEDED BED	M2	10		
H.6.1.2	13MM THK SCREEDED BACKING TO DROP 150MM HIGH	M	1		
H.6.1.3	13MM THK SCREEDED BACKING TO DROP 100MM HIGH	M	1		
H.6.2	TILING APPROVED 150MM X 900MM THK PORCELAIN WOOD TILES WHITE HORSE' SERIES OR OTHER APPROVED EQUIVALENT WITH BORDER,BEDDED,JOINTED AND POINTED IN CEMENT WITH FLUSH JOINT LAID ON CEMENT AND SAND SCREED (MEASURED SEPARATELY) WITH AN APPROVED COLOUR AND PATTERN AS DESCRIBED : -				
H.6.2.1	TO FLOOR	M2	10		
H.6.2.2	FINISH TO DROP 150MM HIGH	M	1		
H.6.2.3	FINISH TO DROP 100MM HIGH	M	1		
H.6.3	WATERPROOFING APPROVED WATER PROOFING MEMBRANE LAID IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATION (MEASURED NETT AND NO ALLOWANCE MADE FOR LAPS)				
H.6.3.1	13MM SCREEDED BED TO FLOOR	M2	10		
H.7	ELEMENT G - CEILING FINISHES				
H.7.1	INTERNAL CEILING FINISHES PLASTER BOARD CEILING PLACED ON METAL FRAME AS DESCRIBED COMPLETE WITH SUSPENSION SYSTEM AND FORMING OPENINGS FOR LIGHT FITTINGS, ACCESS PANEL, AIR-CONDITIONING GRILLE OUTLETS, TRIMMING AROUND COLUMNS, ETC. THE WHOLE SUSPENDED WITH HANGERS (PAINTING MEASURED SEPARATELY)				
H.7.1.1	GENERAL CEILING	M2	10		
H.7.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	1		
H.8	ELEMENT H - SANITARY FITTINGS				
H.8.1	NOTE :- THE SANITARY WARES AND FITTINGS AS SPECIFIED ARE AS AN INDICATION OF THE QUALITY REQUIRED. OTHER MANUFACTURER'S OR OTHER BRANDS ARE ACCEPTABLE IF THE QUALITY IS EQUIVALENT AND APPROVED BY THE S.O. SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
H.8.1.1	SERICITE SQ 7004' REGAL VITREOUS CHINA SQUATTING PAN OR EQUIVALENT SQUATTING PAN C/W S TRAP, INTEGRAL TREAD PLATES COMPLETE WITH HIGH LEVEL CISTERN & FLUSHING FITTINGS, LEVER HANDLE, AND INCLUDING ALL NECESSARY FITTINGS FIXED INTO POSITION	NO	1		
H.8.1.2	SERICITE WC 1044' RECURSION ONE PIECE OR EQUIVALENT VITREOUS CHINA WATER CLOSET COMPRISING OF BOWL, S-TRAP BOTTOM OUTLET DISTANCE 250MM, CISTERN LID, DUAL PUSH BUTTON ACTUATION FLUSHING WITH BOTTOM OUTLET CISTERN FITTINGS 3 OR 6 LITER ,STAINLESS STEEL UF SOFT CLOSING SEAT AND COVER, STRAIGHT CONNECTOR, OVERALL DIMENSION 710(L) X 360(W) X 765(H) MM OR OTHER APPROVED EQUIVALENT TO ARCHITECT APPROVAL	NO	1		
H.8.1.3	SERICITE - SR81020', CP BRASS SINGLE LEVER BASIN COLD TAP OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		
H.8.1.4	SERICITE - WB2050 NITRONIUM BASIN' VITREOUS CHINA TABLE TOP OR WALL HUNG BASIN WITH OVERALL SIZE 400(L)MM X 400(W) MM X 150(H) MM, 1 PAIR OF BRACKET, 44MM WASTE OUTLET, FULL PUNCHED ONE TAP HOLE, FISHER BOLT AND NUTS WITH ALL NECESSARY FITTINGS AND FIXED INTO POSITION OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		
H.8.1.5	SERICITE - A70005' HAND SPRAY BIDET OR OTHER EQUIVALENT COMPLETE WITH 1.2M STAINLESS STEEL CHROME FLEXIBLE HOSE AND ABS WALL BRACKET INCLUDING JOINTING TO PIPE	NO	1		
H.8.1.6	SERICITE - SR16001' BRASS ANGLE VALVE IN CHROME PLATED COMPLETE WITH FLANGE OR OTHER APPROVED EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		
H.8.2	NOTE :- SUPPLY AND FIX THE FOLLOWING SANITARY FITTINGS AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT COMPLETE WITH ALL NECESSARY JOINTS AND CONNECTIONS TO SUPPLY AND WASTE PIPES (CONT'D)				
H.8.2.1	SERICITE - A70020' STAINLESS STEEL TOILET PAPER HOLDER 148MM X 75MM X 157MM OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	1		
H.8.2.2	1" FULL-TURN CONCEALED STOP COCK - CROSS HANDLE INCLUDING FIXING AND JOINTING TO DISTRIBUTION PIPE	NO	1		
H.8.2.3	SERICITE - A70004C' STAINLESS STEEL FLOOR TRAP, 5' X 5' STAINLESS STEEL FLOOR TRAP COMPLETE WITH PVC HOLDER & FILTER OR OTHER EQUIVALENT TO ARCHITECT'S APPROVAL	NO	3		
H.8.2.4	650MM X 1200MM X 6MM THICK FREMELESS WALL MOUNTED MIRROR ON AND INCLUDING 6MM THICK WATERPROOF PLYWOOD BACKING WITH CHROMIUM PLATED DOME HEAD SCREW AND RUBBER WASHER SCREWED TO WALL	M2	1		
H.8.2.5	ON COMPLETION OF THE SANITARY FITTINGS INSTALLATION, TEST ALL PIPING AND FITTINGS AND LEAVE COMPLETE INSTALLATION IN PERFECT WORKING ORDER AND TO THE SATISFACTION OF THE S.O.	PUKAL	-		
H.8.3	BUILDER'S WORK IN CONNECTION WITH SANITARY FITTINGS CONSTRUCT AND COMPLETE CONCRETE TABLE TOP INCLUDING ALL NECESSARY CONCRETE WORKS, FORMWORKS AND REINFORCEMENT AND COMPLETE WITH ALL NECESSARY SOLID SURFACE FINISHES PATTERN AND COLOUR AS PER MANUFACTURER DETAILS.	M2	1		
H.9	ELEMENT J - PAINTING AND DECORATION				
H.9.1	WALL AND CEILING PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF				
H.9.1.1	PLASTERED WALL AND COLUMN	M2	2		
H.9.1.2	GENERAL SURFACES OF CEILING	M2	10		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
H.9.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	2		
H.9.1.4	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF GENERAL SURFACES OF CEILING	M2	10		
H.9.2	METALWORK PREPARE AND PAINT ONE COAT METALLIC PRIMER, ONE UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT:-				
H.9.2.1	SURFACES EXCEEDING 100MM GIRTH AND NOT EXCEEDING 200MM GIRTH	M2	6		
H.10	ELEMENT K - SIGNAGES				
H.10.1	SUPPLY AND INSTALL 5MM THICK CLEAR ACRYLIC PANEL OR OTHER APPROVED EQUIVALENT BUILDING SIGNAGES WITH ONE LAYER STAINLESS STEEL STICKER WITH ONE LAYER TRANSPARENT RESERVE STICKER PRINTING AND COMPLETE WITH WORDING AND MOTIF ALL TO BE FIXED WITH HEAVY DUTY ADHESIVE ALL AS PER ARCHITECT'S DRAWING AND S.O. APPROVAL				
H.10.1.1	TANDAS UMUM' SIGN OVERALL SIZE 165MM X 165MM HIGH	NO	1		
H.10.1.2	WC' SIGN OVERALL SIZE 75MM X 75MM HIGH	NO	1		
H.10.1.3	SQUATTING' SIGN OVERALL SIZE 75MM X 75MM HIGH	NO	1		
JUMLAH KESELURUHAN (BIL H)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
I	MAINTENANCE STORE				
I.1	ELEMENT A - INTERNAL WALL				
I.1.1	WELL BURNT CLAY BRICKS BEDDED AND JOINTED IN CEMENT MORTAR (1:3) WITH PLASTICISER AS DESCRIBED :- HALF BRICK WALL (114MM THICK) REINFORCED WITH AND INCLUDING A LAYER OF "EXMET" 65MM WIDE AT EVERY FOURTH COURSE	M2	2		
I.1.2	SUNDRIES 6MM DIAMETER MILD STEEL ROD 350MM LONG AS BONDING TIE, ONE END CAST INTO CONCRETE OTHER END BUILT INTO JOINT OF BRICKWALL	NO	5		
I.2	ELEMENT B - DOORS				
I.2.1	METAL DOOR FRAME				
I.2.1.1	1.6MM THICK POWDER COATED MILD STEEL FRAME DOOR FRAME COMPLETE WITH STAINLESS STEEL RUBBER BUFFER AND STEEL FISHTAIL TO BE GLOSS PAINT FINISH AND INFILLED WITH CEMENT GROUT, INCLUDING ALL NECESSARY BEDDING, FIXING ANCHORS, AND FIXING ACCESSORIES, COVERED ALL SURFACE WITH HOT DIP GALVANISED ALL IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND S.O. APPROVAL OVERALL SIZE 900MM X 2100MM HIGH (TYPE D1)	NO	2		
I.2.1.2	CARPENTRY AND JOINERY WROT AND FRAMED "PRESSURE TREATED" GRADE 'A' TIMBER AS PER MANUFACTURER'S INSTRUCTION AND S.O APPROVAL AND AS ARCHITECT DRAWING NO. MBIP/PP/02/2024. SOLID ENGINEERED TIMBER DOOR 40MM THICK SINGLE SOLID ENGINEERED TIMBER DOOR C/W 100MM X 10MM THICK TIMBER ARCHITRAVE OVERALL SIZE 900MM X 2100MM HIGH COVER WITH 5.2MM THK MOISTURE RESISTANCE GRADE ABCC PLYWOOD FACING INTERNALLY 5.2MM THK WBP PLYWOOD FACING EXTERNAL CONSTRUCTED WITH ENGINEERED TIMBER FORMING STILES, INTERMEDIATE, TOP AND BOTTOM RAILS, INTERMEDIATE INFILLED WITH SOLID PARTICLE WOOD CORE, BOTTOM FACE SEAL WITH WATERPROOF ACRYLLIC COATING, AND HUNG IN POSITION WITH BUTT HINGESS (TYPE D1)	NO	2		
I.3	ELEMENT C - IRONMONGERY				
I.3.1	SUPPLY AND FIX THE FOLLOWING IRONMONGERY AS SPECIFIED OR OTHER EQUAL AND APPROVED EQUIVALENT TO HARDWOOD INCLUDING PROVIDING REQUISITE MATCHING SCREWS AND FIXING ACCESSORIES AS APPROVED BY THE S.O				
I.3.1.1	PAIR 100 X 75MM STAINLESS STEEL SCREW MOUNTED HINGES	NO	6		
I.3.1.2	ENTRANCE MORTICE LOCK - SUS304 STAINLESS STEEL C/W 64-T-SN KEY THUMBTURN EURO PROFILE CYLINDER C/W SUS304 STAINLESS STEEL TUBE LEVER HANDLE ON ROSE & ESC.	NO	2		
I.3.1.3	FLUSH BOLT - STAINLESS STEEL BOX FLUSH BOLT	NO	2		
I.3.1.4	DOOR CLOSER	NO	2		
I.3.1.5	DOOR STOPPER - STAINLESS STEEL HAT AND COAT HOOK	NO	2		
I.4	ELEMENT D - WALL FINISHES				
I.4.1	INTERNAL WALL FINISHES				
I.4.1.1	CEMENT AND SAND (1:3) WITH AND APPROVED WALLCRETE CEMENT PLASTER COMPLETE WITH PVC CORNER BEADING WITH CAP INTERNALLY FINISHED WITH STEEL TROWEL :- 20MM PLAINFACE TO WALL AND COLUMN	M2	2		
I.5	ELEMENT E - CEILING FINISHES				
I.5.1	ELEMENT E - CEILING FINISHES SUPPLY AND INSTALL PLASTER CEILING COMPLETE WITH FRAME, BEADING AND SUSPENSION SYSTEM AND JOINTING ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTION AND ARCHITECT'S APPROVAL AND DETAIL DRAWING				
I.5.1.1	GENERAL CEILING	M2	150		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
I.5.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	2		
I.6	ELEMENT F - PAINTING AND DECORATION				
I.6.1	WALL AND CEILING PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF				
I.6.1.1	PLASTERED WALL AND COLUMN	M2	120		
I.6.1.2	GENERAL SURFACES OF CEILING	M2	150		
I.6.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	120		
I.6.1.4	GENERAL SURFACES OF CEILING	M2	150		
I.6.2	METALWORK PREPARE AND PAINT ONE COAT METALLIC PRIMER, ONE UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT:-				
I.6.2.1	SURFACES EXCEEDING 100MM GIRTH AND NOT EXCEEDING 200MM GIRTH	M	4		
I.6.3	WOODWORK KNOT, PRIME, STOP AND PAINT 'NIPPON' ONE COAT ZINC CROMATE PRIMER, ONE COAT ECONOMY UNDERCOAT AND TWO FINISHING COATS OF ALKYD RESIN ENAMEL PAINT OR OTHER APPROVED EQUIVALENT AS (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER)				
I.6.3.1	GENERAL SURFACES OF DOORS	M2	6		
JUMLAH KESELURUHAN (BIL I)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
J	LIBRARY				
J.1	ELEMENT A - FLOOR FINISHES INTERNAL FLOOR FINISHES SCREEDING CEMENT AND SAND (1:3) TO RECEIVE MARBLE EFFECT GLAZED PORCELAIN TILES : -				
J.1.1	13MM THK SCREEDED BED	M2	82		
J.1.2	13MM THK SCREEDED BACKING TO SKIRTING 100MM HIGH	M	43		
J.1.3	TILING APPROVED 600MM X 600MM THICK MARBLE EFFECT GLAZED PORCELAIN TILES GUOCERA' SERIES OR OTHER APPROVED EQUIVALENT WITH BORDER,BEDDED,JOINTED AND POINTED IN CEMENT WITH FLUSH JOINT LAID ON CEMENT AND SAND SCREED (MEASURED SEPARATELY) WITH AN APPROVED COLOUR AND PATTERN AS DESCRIBED : -				
J.1.3.1	TO FLOOR	M2	82		
J.1.3.2	FINISH TO SKIRTING 100MM HIGH	M	43		
J.2	ELEMENT B - CEILING FINISHES				
J.2.1	INTERNAL CEILING FINISHES SUPPLY, INSTALL AND COMPLETE SUSPENDED PLASTER CEILING SYSTEM AT ALL LEVELS COMPRISING OF 9MM THICK GYPSUM BOARD CEILING FIXED TO APPROVED GI FURRING CHANNEL SYSTEM SUSPENDED FROM STRUCTURAL SOFFIT USING GALVANIZED ANGLE BAR/HANGER ROD SYSTEM; INCLUDING ALL NECESSARY PERIMETER ANGLE TRIMS, EXPANSION JOINTS,ACCESS PANELS (WHERE REQUIRED), CORNERS AND NECESSARY ACCESSORIES; INCLUDING JOINT TREATMENT WITH FIBRE TAPE AND SKIM COAT FINISH TO RECEIVE PAINT; FORMATION OF L-BOX FEATURE ALONG EDGES/WALLS, USING 9MM THICK GYPSUM BOARD COMPLETE WITH FRAMING, SUPPORTS, AND JOINT TREATMENT; ALL CEILING AND L-BOX WORKS TO BE LEVELED,ALIGNED, AND PREPARED SMOOTH FOR PAINTING; ALL TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND TO THE APPROVAL OF THE ARCHITECT.				
J.2.1.1	GENERAL CEILING	M2	82		
J.2.1.2	EXTRA OVER ACCESS MANHOLES OF 600MM X 600MM INCLUDING ALL NECESSARY FRAMING AND PAINTING	NO	5		
J.2.1.3	EXTRA OVER CONSTRUCTION OF 150MM X 150MM L-BOX INCLUDING ALL NECESSARY FRAMING	M	48		
J.3	ELEMENT C - PAINTING AND DECORATION				
J.3.1	WALL AND CEILING				
J.3.1.1	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF WEATHER SHIELD EMULSION PAINT EXTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	115		
J.3.1.2	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF PLASTERED WALL AND COLUMN	M2	127		
J.3.1.3	PREPARE AND APPLY ONE SEALER COAT OF ALKALI-RESISTING PRIMER AND TWO COATS OF EMULSION PAINT INTERNALLY ON SURFACES OF GENERAL SURFACES OF CEILING	M2	82		
J.3.2	METALWORK				
J.3.2.1	PREPARE AND PAINT ONE COAT METALLIC PRIMER, ONE UNDERCOAT AND TWO FINISHING COATS GLOSS ENAMEL PAINT:- SURFACES EXCEEDING 100MM GIRTH AND NOT EXCEEDING 200MM GIRTH	M	4		
J.3.3	WOODWORK KNOT, PRIME, STOP AND PAINT 'NIPPON' ONE COAT ZINC CROMATE PRIMER, ONE COAT ECONOMY UNDERCOAT AND TWO FINISHING COATS OF ALKYD RESIN ENAMEL PAINT OR OTHER APPROVED EQUIVALENT AS (ALL PAINTING WORKS SHOULD BE DONE BY CERTIFIED PAINTER)				
J.3.3.1	GENERAL SURFACES OF DOORS	M2	6		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
	JUMLAH KESELURUHAN (BIL J)				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
K	SITE CLEARANCE AND EARTHWORKS (ALL PROVISIONAL) Specification and General Labour Clauses:- Note:- The whole of the works are to be carried out in a manner approved by the S.O.				
K.1	SITE CLEARANCE BEFORE COMMENCING SITE CLEARANCE, THE CONTRACTOR SHALL AS CERTAIN THE EXISTENCE AND POSITION OF WATER AND OTHER SERVICES FROM THE RELEVANT AUTHORITIES AND ARRANGE FOR THE DIVERSION OR TERMINATION OF THE SERVICES. THE CONTRACTOR SHALL ALLOW FOR PAVING ALL COSTS AND CHARGES IN CONNECTION THERE WITH				
K.1.1	ALLOW FOR TAKING OVER THE SITE AND CLEAR THE AREA AND INCLUDING ENCROACHMENT AREA OF ALL RUBBISH, DEBRIS, TOP SOIL, LALANG, UNDERGROWTH,CREEPERS, SHRUBS, BUSHES AND CUT DOWN AND REMOVE EXISTING TREES AND STUMPS INCLUDING GRUBBING UPROOTS AND HARDSCAPE (IF ANY) AND CART AWAY TO AN APPROVED DUMPING GROUND TO BE FOUND BY THE CONTRACTOR AND WAS PERMITTED BY THE LOCAL AUTHORITY. (3.27 ACRE)	PUKAL	-		
K.2	FENCING AND GATE (ALL PROVISIONAL)				
K.2.1	SPECIFICATION AND GENERAL LABOUR CLAUSES:- FOR DESCRIPTION OF MATERIALS, WORKMANSHIP AND GENERAL LABOUR APPLICABLE TO THIS BILL SEE "SPECIFICATION". NOTE : ALL EXCAVATIONS ARE MEASURED FROM FORMATION LEVEL UNLESS OTHERWISE STATED				
K.2.1.1	ALUMINIUM LOUVERS SCREEN SUPPLY, FABRICATE AND INSTALL ALUMINIUM LOUVERS SCREEN WALL USING SELECTED PROPRIETARY EXTRUDED ALUMINIUM LOUVRES (POWDER COATED FINISH) TO BE FIXED ONTO EXISTING PLASTERED BRICK FENCING AND MILD STEEL SUPPORT AS SHOWN ON ARCHITECT'S DRAWING NO. MBIP/TUTA/DD15 AND COMPLETE WITH THE FOLLOWING:- A. WORKS SHALL INCLUDE ALL NECESSARY MILD STEEL (M.S.) SUPPORTS, FIXING BRACKETS, ANCHORING TO EXISTING CONCRETE POSTS AND FLOOR, ALL ACCESSORIES, STAINLESS STEEL SCREWS, CORROSION PROTECTION, AND COMPLETE SURFACE FINISHING. B. ALUMINIUM LOUVRES SHALL BE ALIGNED VERTICALLY/ HORIZONTALLY (AS PER ARCHITECT'S DRAWING), MAXIMUM HEIGHT 2100MM ABOVE EXISTING FENCE, AND TOTAL HEIGHT OF 3900MM FROM FINISHED FLOOR LEVEL. C. ALL INSTALLATION SHALL COMPLY WITH MANUFACTURER'S SPECIFICATIONS AND SITE CONDITIONS, INCLUDING ALL NECESSARY CUTTING, JOINTING, SEALING, AND PROTECTION WORKS.	M2	235		
K.2.1.2	REVOLVING GATE AND STAINLESS STEEL GATE AND FENCING ALLOW FOR MAKING GOOD AND REPAINTING TO EXISTING MILD STEEL GATE DOOR AND FENCING AS PER ARCHITECT'S APPROVAL	PUKAL	-		
K.2.1.3	FENCING ALLOW FOR MAKING GOOD AND REPAINTING TO EXISTING BRICK FENCING AS PER ARCHITECT'S APPROVAL	M2	260		
K.3	RECREATIONAL AND SITE STRUCTURES (ALL PROVISIONAL) SPECIFICATION AND GENERAL LABOUR CLAUSES:- FOR DESCRIPTION OF MATERIALS, WORKMANSHIP AND GENERAL LABOUR APPLICABLE TO THIS BILL SEE "SPECIFICATION".				
K.3.1	SITE CLEARANCE BEFORE COMMENCING SITE CLEARANCE, THE CONTRACTOR SHALL AS CERTAIN THE EXISTENCE AND POSITION OF WATER AND OTHER SERVICES FROM THE RELEVANT AUTHORITIES AND ARRANGE FOR THE DIVERSION OR TERMINATION OF THE SERVICES. THE CONTRACTOR SHALL ALLOW FOR PAVING ALL COSTS AND CHARGES IN CONNECTION THERE WITH				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
K.3.1.1	NEW POOL SLIDE SUPPLY, DELIVER, AND INSTALL ONE (1) UNIT NEW POOL SLIDE APPROXIMATELY 3.0 METERS HIGH, COMPLETE WITH DUAL SLIDES MADE OF HIGH-DENSITY POLYETHYLENE (HDPE) OR FIBER-REINFORCED PLASTIC (FRP),CORROSION-RESISTANT GALVANIZED STEEL OR STAINLESS STEEL STRUCTURAL SUPPORTS, STAIR ACCESS WITH ANTI-SLIP STEPS, HANDRAILS, SAFETY LANDING ZONE, AND ALL NECESSARY FIXINGS AND ANCHORING SYSTEM. WORKS SHALL INCLUDE ALL ASSOCIATED CONCRETE FOUNDATION, GROUTING, PAINTING, FINISHING, AND TESTING TO ENSURE FULL OPERATIONAL AND SAFETY COMPLIANCE. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, ENGINEER'S INSTRUCTIONS, AND RELEVANT SAFETY STANDARDS. *SPECIFICATION AND GENERAL LABOUR CLAUSES:FOR DESCRIPTION OF MATERIALS, WORKMANSHIP AND GENERAL LABOUR APPLICABLE TO THIS BILL SEE "SPECIFICATION". (ALL PROVISIONAL)	PUKAL	-		
K.4	NEW ARCH STRUCTURE SUPPLY, FABRICATE, AND INSTALL NEW ENTRANCE STAINLESS STEEL ARCH STRUCTURE TO MATCH EXISTING DESIGN AND DIMENSIONS, INCLUDING ALL NECESSARY BENDING, WELDING, POLISHING, AND SURFACE FINISHING. WORKS SHALL INCLUDE ALL ASSOCIATED MILD STEEL INTERNAL BRACING (IF ANY), BASE PLATE CONNECTIONS, ANCHOR BOLTS, GROUTING, AND FIXING TO EXISTING CONCRETE COLUMN. ALL WORKMANSHIP SHALL COMPLY WITH RELEVANT CODES OF PRACTICE AND SITE CONDITIONS, AND INCLUDE TOUCH-UP OR POLISHING TO ENSURE SMOOTH FINISH. THE WORK SHALL ALSO INCLUDE ACCESS EQUIPMENT, SCAFFOLDING, PROTECTION OF SURROUNDING WORKS, AND ALL TEMPORARY SUPPORTS AS REQUIRED TO COMPLETE THE INSTALLATION IN A SAFE AND PROPER MANNER. *SPECIFICATION AND GENERAL LABOUR CLAUSES:FOR DESCRIPTION OF MATERIALS, WORKMANSHIP AND GENERAL LABOUR APPLICABLE TO THIS BILL SEE "SPECIFICATION". (ALL PROVISIONAL)	NO	3		
K.4.1	MAKING GOOD FLOOR FINISHES SUPPLY LABOURS, TOOLS AND MATERIALS TO IDENTIFY AND REPLACE THE DAMAGED FLOOR TILES AT THE SWIMMING POOL AREA AS PER ARCHITECT'S APPROVAL	M2	10		
JUMLAH KESELURUHAN (BIL K)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L	ELECTRICAL WORK				
L.1	I. LOW VOLTAGE SYSTEM (LV) A. ELECTRICAL INFRASTRUCTURE WORKS				
L.1.1	SWITCHBOARD MAIN SWITCH BOARD				
L.1.1.1	MAIN SWITCH BOARD - MSB ~ 4P MCCB ~ MICROPROCESSOR BASED PROTECTION RELAYS C/W CURRENT TRANSFORMER, CONTROL/RELAY FAULT ALARM, ETC. ~ DIGITAL POWER METER ~ TPN MCCB C/W ELECTRONIC BASED O/C & E/F RELAYS. ~ OUTGOING MCCBS ~ ELECTRONIC BASED EARTH FAULT RELAY. ~ ADJUSTABLE SENSITIVITY & TIME DELAY EARTH LEAKAGE RELAY. ~ OUTGOING MCCBS ~ ELECTRONIC BASED EARTH FAULT RELAY. ~ ADJUSTABLE SENSITIVITY & TIME DELAY EARTH LEAKAGE RELAY. ~ SURGE PROTECTION DEVICE (SPD) ALL MODES, CATEGORY I/II, ETC. AS PER SPECIFICATION AND DRAWING.	LOT	1		
L.1.1.2	THE KWH 3 PHASE LVCT METER KIOSK SHALL BE WALL MOUNTED C/W AS PER TNB SPECIFICATIONS.	LOT	1		
L.1.1.3	12C 2.5 MM2 PVC COPPER CABLE C/W DRY TYPE CABLE TERMINATION FROM MSB TO CT METER KIOSK.	M	5		
L.1.2	DISTRIBUTION BOARD TO SUPPLY, INSTALL, TESTING AND COMMISSIONING THE FOLLOWING DISTRIBUTION BOARD. THE DISTRIBUTION BOARD SHALL BE WALL MOUNTED C/W MCCB(S), MCB(S), RCD, ISOLATOR, SWITCH FUSE, SPD ETC,INDICATOR LIGHT, ETC AS PER DRAWING AND SPECIFICATIONS.				
L.1.2.1	32A TPN MCCB FOR DB-B	LOT	1		
L.1.2.2	32A TPN MCCB FOR DB-GF1	LOT	1		
L.1.2.3	32A TPN MCCB FOR DB-GF2	LOT	1		
L.1.2.4	63A TPN MCCB FOR DB-P1	LOT	1		
L.1.2.5	32A TPN MCCB FOR DB-P2	LOT	1		
L.1.2.6	32A TPN MCCB FOR DB-FF	LOT	1		
L.1.3	CABLING ALL LENGTHS GIVEN ARE PROVISIONAL. THE ACTUAL LENGTH INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY. IF THE CABLE SIZE > 50MM2 THE CABLE TERMINATION SHALL BE USING HEAT SHRINKABLE CABLE TERMINATION. IF MORE THAN 1 NUMBER OF CABLE IS USED THEN EXTENDED BUSBAR AT CIRCUIT BREAKER WITH THE SAME CIRCUIT BREAKER MANUFACTURER SHALL BE USED. **SUBMAINS** SUPPLY, DELIVERY, INSTALL, TESTING AND COMMISSIONING THE FOLLOWING INTERNAL SUBMAINS CABLE WIRING IN APPROPRIATE SIZE METAL TRUNKING/CABLE TRAY/CABLE LADDER C/W EARTH COOPER TAPE, BRACKET, JUNCTION BOX, TERMINATION AT BOTH END, NECESSARY ACCESSORIES AND WORKS FOR COMPLETE INSTALLATION AND OPERATION, ETC AS PER DRAWING AND SPECIFICATIONS. PVC CABLES				
L.1.3.1	A. 4 NOS X 1C - 6MM SQ. PVC CABLE LAID ON PERFORATED HDG CABLE TRAY. I) MSB AT BILIK MSB TO DB-B	M	50		
L.1.3.2	B. 4 NOS X 1C - 10MM SQ. PVC CABLE LAID ON PERFORATED HDG CABLE TRAY. I) MSB AT BILIK MSB TO DB-GF1	M	5		
L.1.3.3	II) MSB AT BILIK MSB TO DB-GF2	M	70		
L.1.3.4	III) MSB AT BILIK MSB TO DB-FF	M	30		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.1.3.5	C. 4 NOS X 1C - 16MM SQ. PVC CABLE LAID ON PERFORATED HDG CABLE TRAY. I) MSB AT BILIK MSB TO DB-P1	M	50		
L.1.3.6	II) MSB AT BILIK MSB TO DB-P2	M	40		
L.1.4	UNDERGROUND CABLE UPPLY, DELIVERY, LAYING, TESTING AND COMMISSIONING THE FOLLOWING UNDERGROUND CABLE INCLUSIVE OF EXCAVATION, BACKGILING WORK, SAND, CABLE PROTECTOR, CABLE MARKERS, TERMINATION, ACCESSORIES AND ETC AS PER DRAWING AND SPECIFICATIONS. **PVC/SWA/PVC CABLES** A) 1 NO X 4C - 25 MM SQ. PVC/SWA/PVC COOPER CABLE LAID UNDERGROUND C/W DRY TYPE CABLE TERMINATION AND TERMINATION BOX FROM :-				
L.1.4.1	I) MSB TO FP-1 (KOLAM RENANG)	M	100		
L.1.4.2	II) MSB TO FP-2 (LALUAN MASUK)	M	20		
L.1.5	CABLE DUCT SUPPLY AND LAYING OF UNDERGROUND DUCTS INCLUDING TRENCHING, JOINTING (USING PROPER COLLARS), BACKFILLING, DRAW WIRE, COMPACTION, CROSSING MARKER, DISPOSAL OF SURPLUS MATERIAL, MAKING GOOD OF SITE SURFACE AS PER SPECIFICATION. 100 MM DIAMETER HDPE CORRUGATED PIPES (O/LIGHTING)	M	120		
L.1.6	EARTHING SYSTEM EARTHING SYSTEM FOR DISTRUBUTION BOARD AS PER SPECIFICATIONS AND REQUIREMENTS COMPRISING OF THE FOLLOWING :- I. EARTHING CONDUCTOR USING 2 X 25MM X 3MM TINNED COPPER TAPE. II. COPPER JACKETED STEEL CORE RODS AS EARTH ELECTRODES 16MM DIA. X 1500MM PLUMBED JOINT TO EARTHING CONDUCTOR. III. HEAVY DUTY INSPECTION CHAMBER WITH REMOVABLE COVER AND LABEL. VI. CONNECTION OF THE COPPER TAPE/CABLE TO EARTH ELECTRODE SHALL BE BY EXOTHERMIC WELDING SYSTEM.	LOT	8		
L.2	I. LOW VOLTAGE SYSTEM (LV) OUTDOOR LIGHTING SYSTEM				
L.2.1	HIGH MAST SYSTEM FEEDER PILLAR AND ACCESSORIES				
L.2.1.1	2 NOS OF OUTDOOR WEATHERPROOF (IP54) ELECTROGALVANISED SHEET STEEL FEEDER PILLAR COMPLETE WITH FUSE SWITCH, CONTACTORS, 24-HOURS SPRING RESERVE TIME SWITCH, PHOTOCELL, 1X18W FLUORESCENT FITTING, BY PASS SWITCH, EXTERNAL PADLOCKING FACILITIES WITH PADLOCK (WEATHERPROOF TYPE), METALCLAD WEATHERPROOF 13A S/S/O, HEATER, LIGHT INDICATOR (LED TYPE), MCCB, MCB, RCCB, ELR, RELATED ACCESSORIES AND STANDARD PAINTING FOR JKR'S FEEDER PILLAR AS PER DRAWING. COMPRESSION CABLE GLANDS MUST BE USED FOR CABLE TERMINATION.	LOT	2		
L.2.1.2	CONCRETE PLINTH FOR ALL FEEDER PILLARS C/W PAVED PLATFORM FOR MAINTENANCE, SAND, IDENTIFICATION ETC. THE CONCRETE PLINTH SHALL CATER THE LOAD OF FEEDER PILLAR'S.	NO	2		
L.2.1.3	TO SUPPLY AND INSTALL SOLID EARTHING SYSTEM USING 2 X 3MM X 25MM COPPER TAPE, 16MM DIA. X 2 NO. OF 1500MM (L) COPPER JACKETED STEEL CORE EARTH ELECTRODE & PRECAST HEAVY DUTY CONCRETE INSPECTION CHAMBER C/W REMOVABLE CONCRETE COVER.	LOT	2		
L.2.1.4	FEEDER PILLAR REFLECTIVE LABELLING/STICKER AS PER DRAWING (THE ACTUAL WORDING SHALL BE CONFIRMED WITH THE S.O'S REPRESENTATIVE).	LOT	2		
L.2.1.5	STRONG PADLOCK OF DURABLE CONSTRUCTION WITH MAXIMUM SECURITY, ANTI-ACID, WEATHERPROOF AND HIGHLY RESISTANT TO WEAR, DIRT, MOISTURE, CORROSION, FREEZING AND CAN BE MASTERKEYED.	LOT	2		
L.2.2	LIGHTING COLUMNS NOTE: FINAL QUANTITIES SHALL BE MEASURED UPON COMPLETION AND PRICES WILL BE ADJUSTED ACCORDINGLY.				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.2.2.1	10M HOT DIPPED GALVANISED HIGH MASTS MID-HINGED COLLAPSIBLE (SEA-SAW) POLE CARRIAGE TEE TYPE TO MOUNT 3 NOS OF 300W LED FLOODLIGHT C/W CONCRETE FOOTING, RAISING & LOWERING CARRIAGE RING, LIGHTNING ROD, AND ACCESSORIES AS PER DRAWING AND SPECIFICATION. STRUCTURE DESIGNED TO ILE TECHNICAL FOR BASIC WIND SPEED OF 35M/SEC AND ALL NECESSARY PILING WORKS (MEASURED SEPERATELY).	LOT	4		
L.2.2.2	TO SUPPLY AND INSTALL SOLID EARTHING SYSTEM USING 2X3MMX25MM COPPER TAPE, 16MM DIA. X 2 NO. OF 1500MM (L) COPPER JACKETED STEEL CORE EARTH ELECTRODE & PRECAST HEAVY DUTY CONCRETE INSPECTION CHAMBER C/W REMOVABLE CONCRETE COVER.	LOT	4		
L.2.2.3	TERMINATION BOX C/W SPD, CUT-OUT FUSE ASSEMBLED IN SOLID PANEL, SUITABLE FOR TERMINATION OF UP TO 4 CORE 16 SQ.MM PVC/SWA/PVC CABLE. THE TERMINATION BOX SHALL BE MANUFACTURED TO IP54 WITH DOUBLE LAYER OF TRANSPARENT PANEL/COVER.	LOT	4		
L.2.2.4	POLE REFLECTIVE LABELLING/STICKER AS PER DRAWING. THE ACTUAL WORDING SHALL BE CONFIRMED WITH THE S.O'S REPRESENTATIVE. FOR ALL COLUMNS AT CENTRE MEDIAN, THE POLE REFLECTIVE LABELLING/STICKER MUST BE INSTALLED TWICE (FRONT AND BACK).	LOT	4		
L.2.3	LUMINAIRE A) RATES SHALL INCLUDE FOR THE SUPPLY, DELIVER, INSTALLATION, TESTING AND COMMISSIONING. B) CATALOGUES SHOWING ISOLUX DIAGRAM, UTILIZATION FACTOR CURVES, POLAR CURVES OF C-PLANES 0/180, 90/270, MAXIMUM INTENSITY PLANES, DOWNWARD LIGHT OUTPUT RATIO, DOWNWARD AND UPWARD FLUX FRACTIONS AND COMPUTER GENERATED PRINT-OUTS SHOWING ALL THE CALCULATION RESULTS OF THE LIGHT DISTRIBUTION ON THE ROAD SURFACE USING THE LUMINAIRE OFFERED SHALL BE ENCLOSED TOGETHER. C) INDEX PROTECTION OF IP66 FOR OPTICAL COMPARTMENT AND MINIMUM IP43 FOR CONTROL GEAR COMPARTMENT. D) ACCESS TO THE INTERIOR OF THE LUMINAIRE SHALL BE FROM THE TOP. BOTTOM ACCESS IS NOT ACCEPTABLE. E) MAIN SUPPORTING STRUCTURE MADE OF DIE-CAST ALUMINIUM ALLOY MATERIALS. GRP/FRP MATERIAL IS NOT ACCEPTABLE. F) MINIMUM MAINTAINED AVERAGE LUMINANCE (CANDELA) REQUIRED: 1.5CD/M2.				
L.2.3.1	HIGHMAST MOUNTED 300 WATT LED FLOODLIGHT (IP65 AND ABOVE) C/W SPD	NOS	12		
L.2.3.2	ROOF/WALL/CEILING/GROUND MOUNTED 150 WATT LED FLOODLIGHT (IP65 AND ABOVE) FOR SIGNAGE C/W SPD, OUTRIGGED ARM, AND ETC.	NOS	8		
L.2.4	UNDERGROUND CABLES RATES SHALL INCLUDE FOR THE SUPPLY AND PULLING OF CABLES:- 4 CORE 16SQ.MM PVC/SWA/PVC COPPER CABLE INCLUDING TRENCHING, SAND BEDDING, JOINTING OF CABLES, BACKFILLING, COMPACTION, CABLE MARKER, BRICKS, MULTI STAND NYLON ROPE, DISPOSAL OD SURPLUS MATERIAL AND MAKING GOOD OF SITE SURFACE AS TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.				
L.2.4.1	A) FROM FP-1 TO ALL OUTDOOR LIGHTING .	M	50		
L.2.4.2	B) FROM FP-2 TO ALL OUTDOOR LIGHTING AND HIGHMAST COLUMNS LIGHTING.	M	170		
L.2.5	UNDERGROUND DUCTS RATES SHALL INCLUDE FOR THE SUPPLY AND LAYING OF UNDERGROUND DUCTS INCLUDING TRENCHING, JOINTING (USING PROPER COLLARS), BACKFILLING, DRAW WIRE, COMPACTION, CROSSING MARKER, DISPOSAL OF SURPLUS MATERIAL, MAKING GOOD OF SITE SURFACE AS PER SPECIFICATIONS AND TO THE SATISFACTION OF S.O'S REPRESENTATIVE. 100 MM DIAMETER HDPE CORRUGATED PIPES (O/LIGHTING)	M	220		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.2.6	INSPECTION, TESTING AND COMMISSIONING OF STREET LIGHTING SYSTEM ALLOW HERE OR IN THE RATES FOR THE COST OF CARYYING OUT INSPECTION AND TEST AT WORKS, TESTING AND COMMISSIONING OF THE INSTALLATION AND THE EQUIPMENTOF THE SUB-CONTRACT WORKS AS REQUIRED IN THE RELEVANT SPECIFICATIONS INCLUDING PROVIDING ALL NECESSARY LABOUR, MATERIALS, TRANSPORTATION, APPLIANCE OR EQUIPMENT, ELECTRICITY AND FUELS AND PAYING ALL FEES AND CHARGES FOR TESTS CARRIED OUT BY OTHERS INCLUDING:- A) TESTING AND COMMISSIONING OF THE WHOLE STREET LIGHTING INSTALLATION USING CALIBRATED AND APPROPRIATE EQUIPMENT MUST INCLUDE:- I) LUMINANCE (CD/M2) AND ILLUMINANCE (LUX) TEST IN ACCORDANCE WITH THE COMPUTER PLOT. II) INSULATION RESISTANCE, POLARITY AND CONTINUITY TEST FOR ALL CABLES. INSULATION RESISTANCE TEST FOR POLE-TO-POLE SHALL ALSO BE INCLUDED. III) EARTH RESISTANCE TEST AT ALL EARTH CHAMBERS. B) ALL THE TESTING REPORT SHALL BE COMPLIED AND SUBMITTED TO THE S.O'S REPRESENTATIVE FOR APPROVAL.	PUKAL	-		
L.3	INTERNAL ELECTRICAL INSTALLATION				
L.3.1	PUMP ROOM AND WATER TANK ROOM, AND BASEMENT STAIR WIRING IN SURFACED G.I CONDUIT TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.3.1.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH.	NO	20		
L.3.1.2	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	4		
L.3.1.3	13A 3 PIN WEATHERPROOF SWITCH SOCKET OUTLET. (300MM/915MM/1450MM ABOVE FLOOR LEVEL/ HIGH LEVEL)	NO	5		
L.3.1.4	CEILING EXHAUST FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W ACCESSORIES.	NO	4		
L.3.1.5	DOMESTIC PUMP CONTROL PANEL POINT USING 4 X 4 SQ. MM PVC CABLE	NO	1		
L.3.1.6	FILTERATION PUMP CONTROL PANEL POINT USING 4 X 16 SQ. MM PVC CABLE	NO	1		
L.3.2	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.3.2.1	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' BATTEN LIGHT FITTING.	NO	20		
L.3.2.2	SINGLE-SIDED WALL MOUNTED TYPE JABATAN BOMBA APPROVED KELUAR SIGN LUMINIARE C/W <5W (SUPER BRIGHT LED) TUBE 3 HOURS DURATION BATTERY BACK-UP	NO	1		
L.3.2.3	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	3		
L.3.3	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		
L.3.4	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.3.5	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4	INTERNAL ELECTRICAL INSTALLATION				
L.4.1	BILIK RAWATAN DAN STOR PENYELENGGARAAN WIRING IN SURFACED/CONCEALED G.I CONDUIT TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.4.1.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH.	NO	15		
L.4.1.2	CEILING FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W HOOK, BRACKET AND ACCESSORIES.	NO	4		
L.4.1.3	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	7		
L.4.1.4	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 1 GANG 13A 3 PIN FLUSH SWITCH SOCKET OUTLET (300MM/915MM/1450MM ABOVE FLOOR LEVEL/HIGH LEVEL)	NO	24		
L.4.1.5	SWITCH SOCKET OUTLET POINT USING 2 X 4.0 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W 15A 3 PIN FLUSH SWITCH SOCKET OUTLET FOR AIRCOND POINT.	NO	5		
L.4.2	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.2.1	2 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' BATTEN LIGHT FITTING.	NO	7		
L.4.2.2	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' WEATHERPROOF LIGHT FITTING	NO	8		
L.4.2.3	60" (1500MM) DIA. CEILING FAN C/W 5 SPEED ELECTRONIC REGULATOR & SUITABLE SUSPENSION ROD C/W ACCESSORIES.	NO	4		
L.4.2.4	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	5		
L.4.2.5	SINGLE-SIDED WALL MOUNTED TYPE JABATAN BOMBA APPROVED KELUAR SIGN LUMINIARE C/W <5W (SUPER BRIGHT LED) TUBE 3 HOURS DURATION BATTERY BACK-UP	NO	2		
L.4.3	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		
L.4.4	HACKING AND MAKING GOOD				
L.4.4.1	BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.5	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	1		
L.4.6	LOBI MASUK, BILIK TIKET, BILIK MSB **WIRING IN SURFACED/CONCEALED G.I CONDUIT** TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY				
L.4.6.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH.	NO	9		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4.6.2	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	3		
L.4.6.3	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 1 GANG 13A 3 PIN FLUSH SWITCH SOCKET OUTLET. (300MM/915MM/1450MM ABOVE FLOOR LEVEL/HIGH LEVEL)	NO	12		
L.4.6.4	SWITCH SOCKET OUTLET POINT USING 2 X 4.0 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W 15A 3 PIN FLUSH SWITCH SOCKET OUTLET FOR AIRCOND POINT.	NO	1		
L.4.6.5	FIRE ALARM PANEL POINT USING 2 X 2.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	1		
L.4.7	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.7.1	9W 4" DIA. RECESSED CEILING MOUNTED DOWNLIGHT	NO	2		
L.4.7.2	9W 4" DIA. SURFACED CEILING MOUNTED DOWNLIGHT	NO	5		
L.4.7.3	2 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' BATTEN LIGHT FITTING.	NO	2		
L.4.7.4	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	3		
L.4.8	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	1	-		
L.4.9	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.10	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		
L.4.11	KORIDOR, LERENG PEJALAN KAKI, BILIK PAM, DAN DINDING BANGUNAN WIRING IN SURFACED/CONCEALED G.I CONDUIT TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.4.11.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH	NO	41		
L.4.11.2	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	2		
L.4.11.3	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 13A 3 PIN WEATHERPROOF SWITCH SOCKET OUTLET.(300MM/915MM/1450MM ABOVE FLOOR LEVEL)	NO	17		
L.4.11.4	WEATHERPROOF SWITCH SOCKET OUTLET POINT USING 3 X 6.0 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W 32A 4 PIN WEATHERPROOF SWITCH SOCKET OUTLET (300MM ABOVE FLOOR LEVEL)	NO	2		
L.4.11.5	HOSEREEL PUMP CONTROL PANEL POINT USING 4 X 10 SQ. MM PVC CABLE	NO	1		
L.4.11.6	WEATHERPROOF 20A TPN ISOLATOR POINT USING 2 X 4.0 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR (1450MM ABOVE FLOOR LEVEL)	NO	2		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4.12	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.12.1	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' BATTEN LIGHT FITTING.	NO	8		
L.4.12.2	2 X 9W UP DOWN LED (WEATHERPROOF TYPE) WALL MOUNTED LIGHT FITTING	NO	23		
L.4.12.3	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' WEATHERPROOF LIGHT FITTING	NO	10		
L.4.12.4	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	2		
L.4.13	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		
L.4.14	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.15	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		
L.4.16	KOLAM RENANG, DAN DINDING LUAR BANGUNAN WIRING IN SURFACED G.I CONDUIT & UNDERGROUND HDPE CORRUGATED PIPE TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.4.16.1	LIGHTING POINT USING 2C X 1.5 SQ. MM PVC/SWA/PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP WEATHERPROOF SWITCH.	NO	55		
L.4.16.2	WEATHERPROOF SWITCH SOCKET OUTLET POINT USING 2C X 2.5 SQ.MM PVC/SWA/PVC CABLE AND PROTECTIVE CONDUCTOR : 1 GANG 13A 3 PIN WEATHERPROOF SWITCH SOCKET OUTLET.(300MM/ 915MM/ 1450MM ABOVE FLOOR LEVEL)	NO	6		
L.4.17	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.17.1	1 X 9W UPLIGHT LED (WEATHERPROOF TYPE) WALL MOUNTED/FLOOR LIGHT FITTING	NO	37		
L.4.17.2	1 X 9W LED SPOTLIGHT (WEATHERPROOF TYPE) WALL MOUNTED/ TOP OF WALL MOUNTED	NO	6		
L.4.17.3	1 X 18W TUBE LED (T8) CEILING MOUNT 4' WEATHERPROOF LIGHT FITTING	NO	4		
L.4.17.4	1 X 18W TUBE LED (T5) CEILING MOUNT 4' WEATHERPROOF LIGHT FITTING	NO	8		
L.4.18	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4.19	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.20	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		
L.4.21	TANDAS LELAKI KOLAM RENANG WIRING IN SURFACED/CONCEALED G.I CONDUIT TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.4.21.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH	NO	28		
L.4.21.2	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	3		
L.4.21.3	CEILING FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W HOOK, BRACKET AND ACCESSORIES.	NO	4		
L.4.21.4	CEILING EXHAUST FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W ACCESSORIES.	NO	3		
L.4.21.5	TO SUPPLY AND INSTALL SURFACE MOUNT MOTION PIR SENSOR C/W 2 X 1.5 MM SQ. PVC CABLE, AND ETC.	NO	2		
L.4.21.6	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 13A 3 PIN WEATHERPROOF SWITCH SOCKET OUTLET. (300MM/915MM/1450MM ABOVE FLOOR LEVEL)	NO	3		
L.4.22	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.22.1	18W LED TUBE (4 FEET T8) LIGHT IN WEATHERPROOF CASING CEILING LIGHT C/W CONNECTOR CABLE WIRE & CLIPS.	NO	3		
L.4.22.2	9W 4" DIA. RECESSED CEILING MOUNTED DOWN LIGHT.	NO	21		
L.4.22.3	12W/METER LED STRIP LIGHT C/W CONNECTOR CABLE WIRE	M	25		
L.4.22.4	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRIGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	2		
L.4.22.5	SINGLE-SIDED WALL MOUNTED TYPE JABATAN BOMBA APPROVED KELUAR SIGN LUMINIARE C/W <5W (SUPER BRIGHT LED) TUBE 3 HOURS DURATION BATTERY BACK-UP	NO	1		
L.4.22.6	48" (1200MM) DIA. CEILING FAN C/W 5 SPEED ELECTRONIC REGULATOR & SUITABLE SUSPENSION ROD C/W ACCESSORIES.	NO	4		
L.4.22.7	AUTOMATIC HAND DRYER 1200W WITH INFRARED SENSOR DUAL TEMPERATURE AIR DRIER HOUSEHOLD HAND DRIER 10 SECONDS DRYER	NO	1		
L.4.22.8	1200ML WALL MOUNTED AUTOMATIC SOAP DISPENSER HAND SANITIZER DISPENSER NON-CONTACT INFRARED THERMOMETER WITH 15 LANGUAGES VOICE BROADCAST °C / °F UNIT SWITCH FOR HOME HOTEL SCHOOL OFFICE USE	NO	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4.22.9	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		
L.4.22.10	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.22.11	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		
L.4.23	TANDAS WANITA KOLAM RENANG WIRING IN SURFACED/CONCEALED G.I CONDUIT TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.4.23.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH	NO	26		
L.4.23.2	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	3		
L.4.23.3	CEILING FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W HOOK, BRACKET AND ACCESSORIES.	NO	4		
L.4.23.4	CEILING EXHAUST FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W ACCESSORIES.	NO	3		
L.4.23.5	TO SUPPLY AND INSTALL SURFACE MOUNT MOTION PIR SENSOR C/W 2 X 1.5 MM SQ. PVC CABLE, AND ETC.	NO	2		
L.4.23.6	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 13A 3 PIN WEATHERPROOF SWITCH SOCKET OUTLET.(300MM/915MM/1450MM ABOVE FLOOR LEVEL)	NO	3		
L.4.24	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.24.1	9W 4" DIA. RECESSED CEILING MOUNTED DOWN LIGHT.	NO	22		
L.4.24.2	12W/METER LED STRIP LIGHT C/W CONNECTOR CABLE WIRE	M	25		
L.4.24.3	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRIGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	2		
L.4.24.4	SINGLE-SIDED WALL MOUNTED TYPE JABATAN BOMBA APPROVED KELUAR SIGN LUMINIARE C/W <5W (SUPER BRIGHT LED) TUBE 3 HOURS DURATION BATTERY BACK-UP	NO	1		
L.4.24.5	48" (1200MM) DIA. CEILING FAN C/W 5 SPEED ELECTRONIC REGULATOR & SUITABLE SUSPENSION ROD C/W ACCESSORIES.	NO	4		
L.4.24.6	AUTOMATIC HAND DRYER 1200W WITH INFRARED SENSOR DUAL TEMPERATURE AIR DRIER HOUSEHOLD HAND DRIER 10 SECONDS DRYER	NO	1		
L.4.24.7	1200ML WALL MOUNTED AUTOMATIC SOAP DISPENSER HAND SANITIZER DISPENSER NON-CONTACT INFRARED THERMOMETER WITH 15 LANGUAGES VOICE BROADCAST °C / °F UNIT SWITCH FOR HOME HOTEL SCHOOL OFFICE USE	NO	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4.25	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		
L.4.26	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.27	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		
L.4.28	TANDAS AWAM & OKU **WIRING IN SURFACED/CONCEALED G.I CONDUIT** TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.4.28.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH	NOS	5		
L.4.28.2	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	2		
L.4.28.3	CEILING ROSE FOR EXHAUST FAN/WALL FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W ACCESSORIES.	NO	2		
L.4.28.4	CEILING EXHAUST FAN POINT USING 2 X 1.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W ACCESSORIES.	NO	1		
L.4.28.5	TO SUPPLY AND INSTALL SURFACE MOUNT MOTION PIR SENSOR C/W 2 X 1.5 MM SQ. PVC CABLE, AND ETC.	NOS	2		
L.4.28.6	BUZZER POINT USING 2 X 1.5 MM2 PVC CABLE & CIRCUIT PROTECTIVE CONDUCTOR C/W EMERGENCY PULL CORD SWITCH, ROCKER SWITCH, EMERGENCY INDICATOR LIGHT C/W 60W(T) RED BULB, DOOR BUZZER AND 240/120V VOLTAGE TRANSFORMER AT TANDAS OKU.	NO	1		
L.4.28.7	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 13A 3 PIN WEATHERPROOF SWITCH SOCKET OUTLET.(300MM/915MM/1450MM ABOVE FLOOR LEVEL)	NO	4		
L.4.28.8	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.4.28.9	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' WEATHERPROOF LIGHT FITTING	NO	1		
L.4.28.10	9W 4" DIA. RECESSED CEILING MOUNTED DOWN LIGHT.	NO	4		
L.4.28.11	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRIGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	2		
L.4.28.12	AUTOMATIC HAND DRYER 1200W WITH INFRARED SENSOR DUAL TEMPERATURE AIR DRIER HOUSEHOLD HAND DRIER 10 SECONDS DRYER	NO	2		
L.4.28.13	1200ML WALL MOUNTED AUTOMATIC SOAP DISPENSER HAND SANITIZER DISPENSER NON-CONTACT INFRARED THERMOMETER WITH 15 LANGUAGES VOICE BROADCAST °C / °F UNIT SWITCH FOR HOME HOTEL SCHOOL OFFICE USE	NO	2		
L.4.28.14	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.4.28.15	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.4.28.16	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	1		
L.5	INTERNAL ELECTRICAL INSTALLATION				
L.5.1	WIRING IN SURFACED/CONCEALED G.I CONDUIT TO SUPPLY, INSTALL, TESTING AND COMMISSIONING AS PER DRAWING AND SPECIFICATIONS. ALL QUANTITIES GIVEN ARE PROVISIONAL. THE ACTUAL QUANTITIES INSTALLED SHALL BE MEASURED ON SITE AFTER COMPLETION AND PRICES ADJUSTED ACCORDINGLY.				
L.5.1.1	LIGHTING POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH.	NO	130		
L.5.1.2	LIGHTING POINT USING 2 X 4.0 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR FOR 1-WAY OR 2 WAY 10A SP FLUSH SWITCH & TIMER SWITCH.	NO	19		
L.5.1.3	EMERGENCY LIGHT & KELUAR SIGN POINT USING 2 X 1.5 SQ. MM PVC CABLE & PROTECTIVE CONDUCTOR	NO	10		
L.5.1.4	SWITCH SOCKET OUTLET POINT USING 2 X 2.5 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR : 1 GANG 13A 3 PIN FLUSH SWITCH SOCKET OUTLET. (300MM/915MM/1450MM ABOVE FLOOR LEVEL)	NO	12		
L.5.1.5	SUPPLY AND INSTALL NOTE: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING AT ALL LIGHT AND FAN AS SPECIFIED AND INDICATED IN DRAWING.				
L.5.1.6	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' BATTEN LIGHT FITTING.	NO	38		
L.5.1.7	1 X 18W TUBE LED (T8) CEILING/WALL MOUNT 4' WEATHERPROOF LIGHT FITTING	NOS	6		
L.5.1.8	ROOF/WALL MOUNTED 300 WATT LED FLOODLIGHT (IP65 AND ABOVE) C/W SPD.	NO	19		
L.5.1.9	9W 4" DIA. RECESSED CEILING MOUNTED DOWNLIGHT	NO	74		
L.5.1.10	12W/METER LED STRIP LIGHT C/W CONNECTOR CABLE WIRE	M	100		
L.5.1.11	SINGLE-SIDED WALL MOUNTED TYPE JABATAN BOMBA APPROVED KELUAR SIGN LUMINIARE C/W <5W (SUPER BRIGHT LED) TUBE 3 HOURS DURATION BATTERY BACK-UP	NO	2		
L.5.1.12	JABATAN BOMBA APPROVED SURFACED MOUNTED EMERGENCY LUMINAIRE C/W < 5W (SUPER BRGHT LED) TUBE AND 3 HOURS DURATION BATTERY BACK-UP.	NO	8		
L.5.1.13	EXISTING INSTALLATIONS TO DISMANTLE OF EXISTING ELECTRICAL INSTALLATION TO BE HANDED OVER TO MBIP STORAGE HOUSE OR AS ADVISED BY S.O'S REPRESENTATIVE.	PUKAL	-		
L.5.1.14	HACKING AND MAKING GOOD BREAKING, HACKING, CUTTING HOLES AND MAKING GOOD, RESTORATION, BACKFILLING AND PERMANENT REINSTATEMENTS OF DAMAGED BRICKWALL, CEILING, OTHER CIVIL WORKS, ETC. NECESSARY FOR THE INSTALLATION OF THE SYSTEM.	PUKAL	-		
L.5.1.15	TESTING & COMMISSIONING TO INSPECT AND CARRY OUT TESTING PROCEDURES FOR ALL WIRING & CABLING INSTALLATION AND OTHERS. TESTING & COMMISSIONING AND SUCCESFULL HANDING OVER OF THE INSTALLATION C/W ALL NECESSARY ACCESSORIES AND WORKS FOR PROPER OPERATION.	PUKAL	-		
L.5.1.16	SWITCH SOCKET OUTLET POINT USING 2 X 4.0 SQ.MM PVC CABLE AND PROTECTIVE CONDUCTOR C/W 15A 3 PIN FLUSH SWITCH SOCKET OUTLET FOR AIRCOND POINT.	NO	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.5.2	LIGHTNING PROTECTION SYSTEM SUPPLY AND INSTALL, TESTING AND COMMISSIONING OF COMPLETE LIGHTNING PROTECTION SYSTEM WHICH COMPRISE OF AIR TERMINATIONS (COPPER CONDUCTORS), DOWN CONDUCTORS, JOINTS AND BONDS, TEST POINTS, EARTH ELECTRODES, INSPECTION CHAMBERS AS PER DRAWING AND SPECIFICATION. NOTE : I. THE TENDERE MUST READ THE DRAWING BEFORE PRICING THE TENDER.B15 II. JUNCTION BOX C/W COVER (SIZE : 50 X 25MM) SHALL BE INSTALL AND THE HEIGHT OF TEST CLAMP IS 2.5M ABOVE THE GROUND LEVEL. COMPLETE SUPLLY ALL MATERIALS, ISTALLATION AND TESTING OF LIGHTNING PROTECTION SYSTEM USING 25MM X 3MM COPPER TAPE C/W CLIPS, BRASS SADDLES, BRONZE SCREWS, 10MM X 300MM FINIAL TEST POINTS, CLAMP ETC. AND EARTHING SYSTEM USING 16MM DIA. X 2.4M COPPER JACKETED EARTH ELECTRODE, CLAMP, PVC PIPE, COPPER TAPE, HEAVY DUTY INSPECTION CHAMBER WITH REMOVABLE COVER ETC. AS PER SPECIFICATIONS AND REQIUREMENTS. CONNECTION OF THE COPPER TAPE/CABLE TO THE EARTH ELECTRODE SHALL BE BY EXOTHERMIC WELDING SYSTEM.				
L.5.2.1	MENARA TINJAU	LOT	1		
L.5.2.2	BANGUNAN TAMAN REKREASI	LOT	1		
L.6	INTERNAL NETWORK AND IT SYSTEM INSTALLATION NOTES : I. THE COMPLETE SYSTEM SHALL BE SUPPLY, INSTALL, TESTING & COMMISSIONING ACCORDING TO THE SPECIFICATIONS AND TMB, MTSFB & SKMM REQUIREMENTS AND AS PER DRAWINGS. II. EXISTING TM FIBER CABLE INFRASTRUCTURE IS AVAILABLE. THIS SCOPE ONLY COVERS INTERNAL FIBER EXTENSION FROM GROUND FLOOR TO CONTROL ROOM. III. ALL FIBER CABLE SHALL BE SINGLEMODE (SMF) INDOOR TIGHT BUFFER TYPE WITH PROPER TERMINATION USING LC/SC CONNECTORS. IV. ALL CABLING SHALL BE INSTALLED USING NEW HIGH IMPACT PVC CONDUIT OR TRUNKING WHERE REQUIRED. EXISTING TRUNKING/CONDUIT SHALL NOT BE REUSED. V. ALL TRUNKING MUST BE FROM GALVANISED MILD STEEL OF 1.6 MM THICKNES WITH A FINISHING OF ENAMEL GREEN PAINT. VI. ALL INSTALLATION, TERMINATION AND TESTING SHALL BE CARRIED OUT BY QUALIFIED PERSONNEL ACCORDING TO INDUSTRY STANDARDS. VII. NO VOIP, TELEPHONE, ROUTER, OR NETWORK SWITCH INSTALLATION IS INCLUDED IN THIS SCOPE.				
L.6.1	INTERNAL FIBRE OPTIC NETWORK CABLING SYSTEM				
L.6.1.1	SUPPLY, INSTALL, TEST AND COMMISSION 1 UNIT WALL-MOUNTED FIBER TERMINATION BOX (FTB) WITH SPLICE TRAY AND TERMINATION FOR 2-CORE SINGLEMODE FIBER.	NO	1		
L.6.1.2	SUPPLY AND INSTALL 2-CORE SINGLEMODE INDOOR FIBER OPTIC CABLE INCLUDING PULLING IN TRUNKING/GI CONDUIT, TERMINATION WITH LC/SC CONNECTOR AT BOTH ENDS, TESTING AND LABELING.	NO	1		
L.6.1.3	SUPPLY, INSTALL AND TERMINATE 2 UNITS FIBER WALL SOCKET (FWS) COMPLETE WITH FACEPLATE, LC/SC ADAPTER AND WALL FIXING.	NO	1		
L.6.1.4	SUPPLY 2 UNITS FACTORY-MADE FIBER PATCH CORD (1-2 METER) LC/SC TYPE FOR EQUIPMENT CONNECTION.	NO	1		
L.6.1.5	TESTING AND COMMISSIONING OF FIBER LINK INCLUDING CONTINUITY TEST, LABELING AND BASIC DOCUMENTATION.	NO	1		
L.6.2	MISCELLANEOUS COMPLETE OFFICIAL SUBMISSION TO M&E CONSULTANTS FOR OFFICIAL PPROVAL, PROJECT DOCUMENT RECORD, DISTRIBUTION TO ALL PARTIES, ETC AS FOLLOWING :- I.FIBRE OPTIC CABLING WORKS INSTALLATION DOCUMENTATION - LIST OF QUALIFIED AND LICENCE SUB-CONTRACTORS & MANUFACTURER & SUPPLIERS. II.METHOD STATEMENT OF FIBRE OPTIC CABLING WORKS INSTALLATION DOCUMENTATION. III. FIBRE OPTIC CABLING WORKS MATERIAL & FITTINGS DOCUMENTATION IV. FIBRE OPTIC CABLING WORKS SAMPLE MATERIAL & FITTINGS. II.PROPOSED LAYOUT & DETAIL INSTALLATION OF FIBRE OPTIC CABLING WORKS INSTALLATION DRAWING. VI.PRE TESTING OF FIBRE OPTIC CABLING WORKS INSTALLATION DRAWING & DOCUMENTATION CONSISTING ALL RELATED TEST RESULT WITH QUALIFIED/COMPETENT PERSON ENDORSEMENT.	NO	4		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.6.2.1	4 SETS OF AS-BUILT LAYOUT & DETAIL INSTALLATION OF FIBRE OPTIC CABLING L/S WORKS INSTALLATION DRAWING & OPERATION MAINTENANCE MANUAL (OMM) DOCUMENTATION AND TWO (2) SOFTCOPY/DIGITAL COPIES.	PUKAL	4		
L.7	CLOSE CIRCUIT TELEVISION SYSTEM (CCTV) TO SUPPLY, DELIVER, INSTALL, MAKE NEW CONNECTION AND WIRINGS, TEST AND COMMISSION AND SUCCESSFUL HAND OVER THE FOLLOWING CLOSED CIRCUIT TELEVISION SYSTEM AS PER DRAWING:-				
L.7.1	WIRING ALL WIRING SHALL BE IN SURFACED G.I CONDUIT/GALVANISED TRUNKING				
L.7.1.1	SUPPLY AND INSTALL SINGLEMODE FIBER OPTIC CABLE FROM NVR TO OUTDOOR CAMERA JUNCTION BOX, INCLUDING TERMINATION WITH LC/SC CONNECTOR, MEDIA CONVERTER (FIBER TO RJ45), CAT6 UTP PATCH CORD TO IP CAMERA, AND TESTING & COMMISSIONING COMPLETE.	NO	15		
L.7.1.2	SUPPLY AND INSTALL 32 CHANNEL SMART AI NETWORK DISC RECORDER C/W CCTV MANAGEMENT SOFTWARE & MINIMUM 4 SLOT FOR 4TB HDD, WIRELESS KEYBORD, MOUSE. NVR, MIN. 32-CHANNEL IP SUPPORT WITH BUILT-IN AI FEATURES: A. HUMAN/VEHICLE DETECTION, INTRUSION, LINE CROSSING B. SMART PLAYBACK, AI TAGGING DUAL OUTPUT (HDMI +VGA), SUPPORT REMOTE VIEWING VIA APP/WEB	NO	1		
L.7.1.3	SURVEILLANCE-GRADE HARD DISK DRIVE (HDD) HDD 4TB, SURVEILLANCE-OPTIMIZED (E.G. WD PURPLE/ SEAGATE SKYHAWK) 24/7 CONTINUOUS OPERATION SUPPORT INSTALLED AND CONFIGURED IN NVR	NO	1		
L.7.1.4	5MP IP INFRARED BULLET CMOS NETWORK CAMERA & WEATHERPROOF TYPE CCTV CAMERA C/W POE, POWER SUPPLY CABLE, ADAPTER (AC- DC), SURGE PROTECTOR, MOUNTING, BRACKET, COLOUM AND OTHER ACCESSORIES AND AI ALGORITHM FUNCTION, MOTORIZED LENS, IP 67.	NO	4		
L.7.1.5	5MP IP INFRARED DOME CMOS NETWORK CAMERA & WEATHERPROOF TYPE CCTV CAMERA C/W POE, POWER SUPPLY CABLE, ADAPTER (AC- DC), SURGE PROTECTOR, MOUNTING, BRACKET, COLOUM AND OTHER ACCESSORIES AND AI ALGORITHM FUNCTION, MOTORIZED LENS, IP 67.	NO	2		
L.7.1.6	5MP IP INFRARED PTZ CMOS NETWORK CAMERA & WEATHERPROOF TYPE CCTV CAMERA C/W POE, POWER SUPPLY CABLE, ADAPTER (AC- DC), SURGE PROTECTOR, MOUNTING, BRACKET, COLOUM AND OTHER ACCESSORIES AND AI ALGORITHM FUNCTION, AUTO TRACKING 25X OPTICAL ZOOM MOTORIZED LENS, IP 67.	NO	9		
L.7.1.7	SUPPLY AND INSTALL IP66 WEATHERPROOF JUNCTION BOX COMPLETE WITH MOUNTING ACCESSORIES FOR MEDIA CONVERTER, POWER ADAPTER AND SURGE PROTECTION NEAR CAMERA LOCATION.	NO	15		
L.7.1.8	24-PORT FIBER PATCH PANEL WITH HYBRID (FIBER + RJ45) MODULES	NO	1		
L.7.1.9	19" EQUIPMENT RACK, 15U WALL MOUNTED C/W COOLING FAN, EXTENSION CABLE, SLIDING TRAY AND ALL ACCESSORIES.	NO	1		
L.7.1.10	SUPPLY AND INSTALL INTERNAL SYSTEM CABLE USING UTP PATCH CORD C/W CONNECTOR AND OTHER ACCESSORIES	NO	1		
L.7.1.11	HDMI CABLING FROM DVR TO TV/LED MONITOR C/W TERMINATION, AND OTHER ACCESSORIES	NO	1		
L.7.1.12	SURGE ARRESTOR PROTECTION FOR CAMERA	NO	15		
L.7.1.13	SUPPLY & INSTALL FIBER OPTIC & CAT6, 24-PORT UTP PATCH PANEL C/W CABLE MANAGEMENT, RACKMOUNTABLE TYPE, CABLE SUPPORT ETC. (IF NEEDED)	NO	1		
L.7.1.14	LED MONITOR FOR CCTV VIEWING • LED MONITOR, 40" MINIMUM, FULL HD (1920X1080) • HDMI/VGA COMPATIBLE, MOUNTED OR ON DESK AS REQUIRED • INCLUDE VIDEO SIGNAL CABLE	NO	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.7.1.15	2KVA UPS WITH AVR C/W BACKUP BATTERY • UPS 2000VA WITH AVR, BACKUP TIME MIN. 15MINS FOR NVR + MONITOR • LINE-INTERACTIVE OR ONLINE UPS ACCEPTED	NO	1		
L.7.1.16	SECURITY CONSOLE DESK	NO	1		
L.7.1.17	MISCELLEANOUS COMPLETE OFFICIAL SUBMISSION TO M&E CONSULTANTS FOR OFFICIAL APPROVAL, PROJECT DOCUMENT RECORD, DISTRIBUTION TO ALL PARTIES, ETC AS FOLLOWING :- I. CCTV WORKS INSTALATION DOCUMENTATION - LIST OF QUALIFIED AND LICENCE SUB-CONTRACTORS & MANUFACTURER & SUPPLIERS. II. METHOD STATEMENT OF CCTV WORKS INSTALATION DOCUMENTATION. III. CCTV WORKS MATERIAL & FITTINGS DOCUMENTATION. IV. CCTV WORKS SAMPLE MATERIAL & FITTINGS. V. PROPOSED LAYOUT & DETAIL INSTALLATION OF CCTV WORKS INSTALLATION DRAWING. VI. PRE TESTING OF CCTV WORKS INSTALLATION DRAWING & DOCUMENTATION CONSISTING ALL RELATED TEST RESULT WITH QUALIFIED/COMPETENT PERSON ENDORSEMENT.	PUKAL	-		
L.7.1.18	4 SETS OF AS-BUILT LAYOUT & DETAIL INSTALLATION OF CCTV WORKS INSTALLATION DRAWING & OPERATION MAINTENANCE MANUAL (OMM) DOCUMENTATION AND TWO (2) SOFTCOPY/DIGITAL COPIES.	PUKAL	1		
L.8	EXTRA LOW VOLTAGE SYSTEM (ELV) PUBLIC ADDRESS SYSTEM (PA SYSTEM) & EMERGENCY BUTTON SUPPLY , INSTALL AND COMMISIONING OF THE FOLLOWING IN ACCORDANCE TO SPECIFICATION AND DRAWING.				
L.8.1	WIRING ALL WIRING SHALL BE IN CONCEALED G.I CONDUIT/GALVANISED TRUNKING				
L.8.1.1	120W POWER AMPLIFIER	NO	1		
L.8.1.2	DVD PLAYER C/W FM & AM DIGITAL TUNER	NO	1		
L.8.1.3	FIREMAN EMERGENCY PAGING CONSOLE	NO	1		
L.8.1.4	6W BOX SPEAKER	NO	9		
L.8.1.5	10W HORN SPEAKER	NO	3		
L.8.1.6	ETHERNET PAGING MICROPHONE	NOS	1		
L.8.1.7	OVERRIDING CONVERTER	NO	1		
L.8.1.8	19" 18U EQUIPMENT RACK C/W VENTILATION PANELS, BLANK PANELS AND FAN LOCATED AT CONTROL ROOM	NO	1		
L.8.1.9	CABLING FROM EACH SPEAKER TO EQUIPMENT RACK USING 14 AWG TWISTED PAIR CABLE IN CONDUIT/TRUNKING FOR LOUDSPEAKER	LOT	9		
L.8.1.10	CABLING FROM EACH ETHERNET PAGING MICROPHONE TO EQUIPMENT RACK USING UTP CAT 6A CABLE IN CONDUIT/TRUNKING FOR LOUDSPEAKER.	LOT	1		
L.8.1.11	CABLING FROM EACH SPEAKER TO EQUIPMENT RACK USING 2 X 1.5MM SQ. PVC CABLE IN CONDUIT/TRUNKING	LOT	8		
L.8.1.12	INTERACKING AND ACCESSORIES	LOT	1		
L.8.1.13	COMPLETE TESTING AND COMMISSIONING, TRANING & HANDING OVER OF THE SYSTEM INSTALLATION TO SATISFACTION AND APPROVAL OF SO'S, CONSULTANTS AND CLIENT.	LOT	1		
L.9	MISCELLANEOUS				
L.9.1	TO PROVIDE SWITCHROOM PERIPHERALS, LABELS AND SIGNAGES AS FOLLOWS :-				
L.9.1.1	DILARANG MASUK', 'BAHAYA' AND 'DILARANG MEROKOK' AT MSB ROOM & SWITCH ROOM	LOT	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
L.9.1.2	RUBBER MAT (THICKNESS > 6MM AND WIDTH 1000MM) AT MSB ROOM & SWITCH ROOM.	LOT	1		
L.9.1.3	CPR / SHOCK TREATMENT CHART AT MSB ROOM & SWITCH ROOM.	LOT	1		
L.9.1.4	TO PROVIDE ELECTRICAL LAYOUT AND SCHEMATIC DIAGRAM C/W FRAME.	LOT	1		
L.9.1.5	TO PROVIDE CIRCUIT NUMBERING SYSTEM AND LAMINATED SCHEMATIC DIAGRAM FOR ALL SSBS & DBS.	LOT	1		
L.9.2	LIASING WITH TNB				
L.9.2.1	LIASING WITH TNB FOR SUBMISSION OF APPROPRIATE DRAWINGS, FORMS AND ALL RELATED DOCUMENT TO GET NEW CAPACITY ELECTRICAL SUPPLY FROM TNB INCLUDING CONTRIBUTION FEES TO TNB.	PUKAL	-		
L.9.3	LIASING WITH TMB LIASING WITH TMB FOR SUBMISSION OF APPROPRIATE DRAWINGS, FORMS AND ALL RELATED DOCUMENT TO GET NEW ICT LINE FROM TMB INCLUDING CONTRIBUTION FEES TO TMB.	PUKAL	-		
L.9.4	DOCUMENT SUBMISSION				
L.9.4.1	COMPLETE OFFICIAL SUBMISSION TO M&E CONSULTANTS FOR OFFICIAL APPROVAL, PROJECT DOCUMENT RECORD, DISTRIBUTION TO ALL PARTIES, ETC AS FOLLOWING :- I. ELECTRICAL WORKS INSTALATION DOCUMENTATION - LIST OF QUALIFIED AND LICENCE SUB-CONTRACTORS & MANUFACTURER & SUPPLIERS. II. METHOD STATEMENT OF ELECTRICAL WORKS INSTALATION DOCUMENTATION. III. TO PROVIDE SHOP DRAWING IN AUTOCAD & BIM FORMAT. IV. ELECTRICAL WORKS MATERIAL & FITTINGS DOCUMENTATION. IV. ELECTRICAL WORKS SAMPLE MATERIAL & FITTINGS. V. PROPOSED LAYOUT & DETAIL INSTALLATION OF ELECTRICAL WORKS INSTALLATION DRAWING. VI. PRE TESTING OF ELECTRICAL WORKS INSTALLATION DRAWING & DOCUMENTATION CONSISTING ALL RELATED TEST RESULT WITH QUALIFIED/COMPETENT PERSON ENDORSEMENT.	PUKAL	-		
L.9.4.2	4 SETS OF AS-BUILT LAYOUT & DETAIL INSTALLATION OF ELECTRICAL WORKS INSTALLATION DRAWING & OPERATION MAINTENANCE MANUAL (OMM) DOCUMENTATION AND TWO (2) SOFTCOPY/DIGITAL COPIES IN AUTOCAD & BIM FORMAT.	PUKAL	-		
JUMLAH KESELURUHAN (BIL L)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
M	MECHANICAL WORKS				
M.1	AIR CONDITIONING -R32 INVERTER SPLIT UNIT SYSTEM TO COMPLETE SUPPLY, INSTALL, TESTING & COMMISSIONING FOR COMPLETE INVERTER AIR CONDITIONING SYSTEM (AIRCOOLED SPLIT-TYPE UNIT) C/W BRACKET, REFRIGERANT PIPE, REFRIGERANT (R32), COPPER PIPE, DRAIN PIPE, INSULATION, POWER POINT, DOL STARTER, REMOTE AND WIRED CONTROL AND OTHER ACCESSORIES FOR THE FOLLOWING COMPONENT.				
M.1.1	EXTG ROOM 1 MIN. CAP: 12,300 BTUH, WALL MOUNTED TYPE	NO	1		
M.1.2	EXTG ROOM 2 MIN. CAP: 12,300 BTUH, WALL MOUNTED TYPE	NO	2		
M.1.3	EXTG TICKETING ROOM MIN. CAP: 9,000 BTUH, WALL MOUNTED TYPE	NO	1		
M.1.4	NEW CONTROL ROOM MIN. CAP: 9,000 BTUH, WALL MOUNTED TYPE	NO	1		
M.1.5	POWER CABLE TO SUPPLY AND INSTALL POWER CABLES FOR INDOOR & OUTDOOR UNITS C/W HDGI TRAY/TRUNKING, ETC FOR SPLIT UNIT	LOT	1		
M.1.6	EXISTING AIR-CONDITIONING TO DISMANTLE ALL EXISTING AIR-CONDITIONING EQUIPMENT, WIRING, COPPER PIPE AND ETC. C/W MAKE GOOD EXISTING STRUCTURE	LOT	1		
M.1.7	MECHANICAL VENTILATION TO SUPPLY AND INSTALL COMPLETE SET OF EXHAUST AIR FAN C/W MOTOR, FAN BLADE,BELTING, AUTO LOUVRE, SHUTTER, BRACKET, FRAME AND ALL ACCESSORIES AS PER DRAWING FOR THEFOLLOWING				
M.1.7.1	EXT CHANGING ROOM 1, EXISTING TOILET 1 TYPE: CEILING MOUNTED AIR CAPACITY: 600 CFM DUCT SIZE : 300MM X 300MM DUCT TYPE : RECTANGULAR TYPE: WALL MOUNTED AIR CAPACITY: 150 CFM	LOT	3		
M.1.7.2	EXISTING TOILET 4 TYPE: CEILING MOUNTED AIR CAPACITY: 500 CFM DUCT SIZE : 250MM X 250MM DUCT TYPE : RECTANGULAR	LOT	1		
M.1.7.3	EXT CHANGING ROOM 2, EXISTING TOILET 2 TYPE: CEILING MOUNTED AIR CAPACITY: 600 CFM DUCT SIZE : 300MM X 300MM DUCT TYPE : RECTANGULAR BASEMENT LEVEL TO SUPPLY AND INSTALL COMPLETE SET OF EXHAUST AIR FAN AND FRESH AIR FAN C/W MOTOR, FAN BLADE,BELTING, AUTO LOUVRE, SHUTTER, BRACKET, FRAME, DIFFUSER, ELECTRICAL WIRING AND ALL ACCESSORIES AS PER DRAWING FOR THE FOLLOWING COMPONENTS.	LOT	3		
M.1.7.4	TYPE: DUCTED EXHASUT FAN AIR CAPACITY: 2500 CFM DUCT SIZE : 550MM X 300MM, 450MM X 250MM, 350MMX 200MM DUCT TYPE : RECTANGULAR	LOT	1		
M.1.7.5	TYPE: DUCTED FRESH AIR FAN AIR CAPACITY: 1800 CFM DUCT SIZE : 550MM X 300MM, 450MM X 250MM, 350MMX 200MM DUCT TYPE : RECTANGULAR	LOT	1		
M.1.8	EXISTING MECHANICAL VENTILATION TO DISMANTLE ALL EXISTING EXHAUST DUCT,FAN, EQUIPMENT,WIRING AND ETC C/W MAKE GOOD OF EXISTING STRUCTURE	LOT	1		
M.2	COLD WATER PLUMBING SYSTEM TO SUPPLY, INSTALL, TESTING AND COMMISSIONING OF THE COLD SYSTEM (BS EN 1057:2006) AS PER DRAWING, CONTRACT SPECIFICATION AND SO'S INSTRUCTION IN ACCORDANCE TO SAJ & SPAN				
M.2.1	WATER STORAGE TANK				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
M.2.1.1	TO MAKE GOOD AND SERVICE EXISTING WATER STORAGE TANK C/W REPLACE PART (IF MALFUNCTION) FOR FULLY FUNCTIONAL	LOT	1		
M.2.1.2	TO MAKE GOOD AND SERVICE EXISTING WATER SUCTION TANK C/W REPLACE PART (IF MALFUNCTION) FOR FULLY FUNCTIONAL	LOT	1		
M.2.2	PUMP TO MAKE GOOD AND SERVICE EXISTING BOOSTER PUMP C/W REPLACE PART (IF MULFUNCTION) FOR FULLY FUNCTIONAL	LOT	1		
M.2.3	COLD WATER DISTIBUTION PIPE TO MAKE GOOD AND SERVICE EXISTING COLD WATER PIPE C/W REPLACE PIPE,VALVE AND ETC NOTE : THE CONTRACTOR SHALL PREPARE A DETAILED REPORT ON ALL REPLACEMENT EQUIPMENT PRIOR TO INSTALLATION, AS WELL AS A CONDITION ASSESSMENT REPORT COVERING THE EXISTING PIPING,	LOT	1		
M.3	INTERNAL SANITARY PLUMBING SYSTEM TO MAKE GOOD AND SERVICE EXISTING SANITARY PLUMBING C/W REPLACEMENT OF ANY DEFECTIVE PIPING, ETC IN FULL COMPLIANCE WITH SPAN REQUIREMENTS				
M.3.1	UPVC SOIL PIPE				
M.3.1.1	(A) 100MM DIAMETER UPVC SOIL PIPE.	LOT	1		
M.3.1.2	(B) 32MM DIAMETER UPVC WASTE PIPE.	LOT	1		
M.3.1.3	(C) 75MM DIAMETER UPVC SOIL PIPE	LOT	1		
M.3.1.4	(D)100MM DIA. VENT PIPE VENT COWL	LOT	1		
M.3.2	FLOOR TRAP	LOT	1		
M.3.3	GULLY TRAP	LOT	1		
M.3.4	VITRIFIED CLAY PIPE (VCP) UNDERGROUND A) 150 MM DIAMETER PIPE TRANSFER TO INSPECTION CHAMBER	LOT	1		
M.3.5	INSPECTION CHAMBER	LOT	1		
M.3.6	TO MAKE GOOD AND SERVICE EXISTING SUBMERSIBLE PUMP, PIPE NOTE : THE CONTRACTOR SHALL PREPARE A DETAILED REPORT ON ALL REPLACEMENT EQUIPMENT PRIOR TO INSTALLATION, AS WELL AS A CONDITION ASSESSMENT REPORT COVERING THE EXISTING PIPING AND ALL ASSOCIATED SANITARY PLUMBING COMPONENTS. BOTH REPORTS SHALL BE ENDORSED BY A PLUMBER REGISTERED WITH SPAN	NO	2		
M.4	FIRE PROTECTION SYSTEM TO COMPLETE SUPPLY, INSTALL AND TESTING & COMMISSIONING FOR COMPLETE FIRE PROTECTION SYSTEM IN ACCORDANCE TO CONTRACT SPECIFICATIONS, DRAWINGS AND LOCAL AUTHORITY (BOMBA) REQUIREMENTS.				
M.4.1	INCOMING PIPE ALLOW FOR HOT TAPPING WORKS FOR INCOMING PIPE FROM 150MM DIAMETER MSCL HYDRANT PIPELINE AND 50MM G.I C PIPE INCOMING PIPE CONNECT TO HOSEREEL TANK	LOT	1		
M.4.2	HOSE REEL TANK HOT DIPPED GALVANISED PRESSED STEEL HOSE REEL TANK C/W BRACKETS, GASKETS, HDGI I-BEAMS, LEVELING, VALVES, PIPING, FITTINGS, BRACING, INTERNAL AND EXTERNAL STAINLESS STEEL CAT-LADDER, MOSQUITO PROOF COVER, VENTS, WARNING, OVERFLOW AND SCOUR DRAIN PIPES, WATER LEVEL INDICATOR, COPPER BALL FLOAT VALVE, INTERNAL COMPARTMENT, PAINTING WORKS AND ALL ACCESSORIES TO SPAN/JANS/BOMBA REQUIREMENT. SIZE: 2.44M X 1.22M X 3.66M (H) CAP: 2400 GAL	LOT	1		
M.4.2.1	HOSEREEL PUMPSET TO SUPPLY AND INSTALL HOSEREEL ELECTRIC DUTY PUMPSETS C/W MOTORS, VALVES, STRAINER, PRESSURE SWITCH AND GAUGE, FLEXIBLE CONNECTION, VIBRATION ISOLATORS AND ACCESSORIES AS PER DRAWING AND BOMBA SPECIFICATIONS PUMP FLOW RATE : 120L/MIN (30IGPM) PUMP HEAD : 65M	NO	1		

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
M.4.2.2	TO SUPPLY AND INSTALL HOSEREEL DIESEL STANDBY PUMPSETS C/W MOTORS, VALVES, STRAINER, PRESSURE SWITCH AND GAUGE, FLEXIBLE CONNECTION, VIBRATION ISOLATORS AND ACCESSORIES AS PER DRAWING AND BOMBA SPECIFICATIONS PUMP FLOW RATE : 120L/MIN (30IGPM) PUMP HEAD : 65M	NO	1		
M.4.2.3	HOSEREEL PIPEWORKS TO SUPPLY AND INSTALL INCOMING AND DISTRIBUTION HOSEREEL PIPE FROM PUMP TO HOSEREEL DRUM USING G.I 'C' PIPE RUN HIGH LEVEL C/W FITTINGS,PAINTING, AIR RELEASE VALVE, DENSO TAPE WRAPPING,AND OTHER ACCESSORIES. A) 25MM DIAMETER	LOT	1		
M.4.2.4	TO SUPPLY AND INSTALL INCOMING AND DISTRIBUTION HOSEREEL PIPE FROM PUMP TO HOSEREEL DRUM USING G.I 'C' PIPE RUN HIGH LEVEL C/W FITTINGS,PAINTING, AIR RELEASE VALVE, DENSO TAPE WRAPPING,AND OTHER ACCESSORIES. B) 50MM DIAMETER	LOT	1		
M.4.2.5	HOSEREEL DRUM HOSE REEL DRUM C/W HOSE, VALVES, HANGER, BRACKET, NOZZLE (JET AND SPRAY), 50MM DIAMETER PIPE AND ALL ASSOCIATED FITTING.	NO	4		
M.4.2.6	HOSEREEL PUMP CONTROL PANEL (HRP-1) C/W AUTO/MANUAL SWITCH, SIGNAL CONTROL WIRING, SUB-WIRING & WIRING TO MFAP, INDICATOR LED LIGHT, SURGE PROTECTION DEVICE AND OTHER RELEVANT ACCESSORIES. A) CP-HRP 30A TPN	LOT	1		
M.4.2.7	TO SUPPLY AND INSTALL POWER CABLES AND CONTROL CABLES FOR THE MECHANICAL CONTROL PANELS TO PUMPSET CP-HRP TO:- HRP-1 USING 1 X 4C 10MM2 FR CABLE ON CABLE TRAY / TRUNKING	LOT	1		
M.4.2.8	TO SUPPLY AND INSTALL SIGNAL CABLES FROM PUMP CONTROL PANEL TO FIRE ALARM PANEL : 2 X 1C 2.5MM FR CABLE ON CABLE TRAY / TRUNKING	LOT	1		
M.4.3	FIRE ALARM SYSTEM				
M.4.3.1	MAIN FIRE ALARM PANEL 6 ZONES (CONVENTIONAL TYPE) C/W SEALED LEAD ACID BATTERY, MIMIC DIAGRAM, DOT-MATRIX PRINTER, CHARGER, LIGHTNING SURGE ARRESTOR, MASTER BELL, BUZZER AND ALL ACCESSORIES AS PER SPECIFICATION AND DRAWINGS.	NO	1		
M.4.3.2	ALL MANUAL CALL POINT AND ALARM BELLS C/W CONCEALED CABLING IN CONDUIT/TRUNKING AND ALL ACCESSORIES.	NOS	4		
M.4.3.3	ALL EXPOSED AND CONCEALED SIGNAL/CONTROL CABLING IN CONDUIT/TRUNKING TO CONNECT TO ALARM DETECTION FITTINGS AND ALL ACCESSORIES.	LOT	1		
M.4.3.4	ALL SMOKE DETECTORS C/W CONCEALED CABLING IN CONDUIT / TRUNKING TO CONNECT TO FIRE ALARM PANEL	LOT	1		
M.4.3.5	ALL CABLING WORKS IN CONDUIT / TRUNKING TO CONNECT FIRE ALARM PANEL TO MFAP	LOT	1		
M.4.3.6	SPKA SYSTEM FOR DIRECT LINK TO BOMBA C/W INSTALLATION WORKS, SUBSCRIPTION FEES DURING THE DEFECT LIABLITY PERIOD AND OTHER REQUIRED ITEMS NEEDED	LOT	1		
M.4.4	PORTABLE FIRE EXTINGUISHER				
M.4.4.1	9 KG DRY POWDER FIRE EXTINGUISHER C/W BRACKETS & CERTIFICATE	NO	8		
M.4.4.2	2 KG CO2 FIRE EXTINGUISHER C/W BRACKETS & CERTIFICATE	NO	3		
M.4.5	SMOKE DETETCTOR				

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
M.4.5.1	TO SUPPLY AND INSTALL SMOKE DETECTOR C/W WIRING AND ALL NECESSARY ACCESSORIES	NO	4		
M.4.5.2	TO DISMANTLE ALL EXISTING FIRE FIGHTING SYSTEM EQUIPMENT,WIRING, AND ETC C/W MAKE GOOD EXISTING STRUCTURE	LOT	1		
M.5	MISCELLANEOUS				
M.5.1	SUBMISSION OF 2 SETS OF METHOD STATEMENT OF INSTALLATION, TESTING AND COMMISIONING FOR CONSULTANT APPROVAL AND RECORD	LOT	1		
M.5.2	BALANCING, CALIBRATION, TESTING & COMMISSIONING EQUIPMENT AS REQUIRED BY S.O / CONSULTANT	LOT	1		
M.5.3	PREPARATION OF C1, C2 & C3 FORM FOR BOMBA INSPECTION INCLUDING PAYMENT OF NECESSARY FEES	LOT	1		
M.5.4	TO APPOINT M&E CONSULTANT FOR ACTIVE BOMBA SUBMISSION PLAN, GETTING APPROVAL AND FIRE CERTIFICATE	LOT	1		
JUMLAH KESELURUHAN (BIL M)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
N	PROVISIONAL SUM				
N.1	NOTE: THE FOLLOWING AMOUNTS OF PROVISIONAL SUM SHALL BE EXPENDED AS DIRECTED BY THE S.O AND SHALL BE DEDUCTED IN WHOLE OR IN PART IF NOT REQUIRED AND NO CLAIMS FOR LOSS AND PROFIT WILL BE ENTERTAINED. INCLUDE THE FOLLOWING PROVISIONAL SUM TO THE EXPENDED AT THE DISCRETION OF THE S.O. OR DEDUCTED WHOLLY OR IN PART IF NOT REQUIRED CONTINGENCY SUM ALLOW A PROVISIONAL SUM OF RINGGIT MALAYSIA : ONE HUNDREED THOUSAND ONLY (RM100,000.00) FOR CONTINGENCY SUM	PUKAL	-		
JUMLAH KESELURUHAN (BIL N)					

BIL.	KETERANGAN	UNIT	KUANTITI	KADAR (RM)	AMAUN (RM)
O	PRIME COST SUM				
O.1	SWIMMING POOL SYSTEM PROVIDE PRIME COST SUM OF RINGGIT MALAYSIA, TO BE EXPENDED AS DIRECTED BY THE SUPERINTENDING OFFICER AND TO BE DEDUCTED IN PART OR IN WHOLE, IF NOT REQUIRED, FOR THE FOLLOWING WORKS :- RINGGITMALAYSIA:THREEHUNDREDTHOUSANDONLY(RM 300,000.00) FOR MAKE GOOD AND SERVICE EXISTING SWIMMING POOL SYSTEM C/W REPLACEMENT OF ANY DEFECTIVE PIPING, PUMPETC IN FULL COMPLIANCEWITH SPAN REQUIREMENTS. (INCLUDING ATTENDANCE AND PROFIT) NOTE:THECONTRACTORSHALLPREPAREADETAILEDREPORT ONALL REPLACEMENTEQUIPMENTPRIOR TOINSTALLATION,AS WELL ASACONDITIONASSESSMENT REPORT COVERING THE EXISTING PIPING,PUMP,TANK AND ALL ASSOCIATED POOL SYSTEMCOMPONENTS.BOTHREPORTSSHALL BEENDORSED BY A SPECIALIST POOL	PUKAL	-		
JUMLAH KESELURUHAN (BIL O)					