MAIN WORKS PACKAGE

PROJECT TITLE

PROPOSED MIXED USE (RESI. + RETAIL)
BUILDING G+2P+8+R

ON

ON PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621

DUBAI - UNITED ARAB EMIRATES

FOR

M/S. NBCC OVERSEAS REAL ESTATE L.L.C

VOLUME 03 - BILL OF QUANTITIES



EDMAC ENGINEERING CONSULTANT

Nov-26

PRICING PREAMBLES

IMPORTANT NOTES FOR CONTRACTOR

The Bill of Quantities has been prepared with the descriptions, quantities, units, Rates, amounts, etc. along with divisional sub totals and grand total.

The Contractor shall review the BOQ items with all other Tender documents and satisfy himself for the completeness of the priced BOQ provided below.

The Contractor to enter the '**Single Percentage (Plus or Minus)**' **in quoting sheet** for the total Contract price by entering percentage to encompass his profits, over heads and any other costs, etc.

Moreover, the Contractor shall ensure that the Single Percentage rate quoted by him covers all requirement inline with Tender documents, Authority requirement/ regulations etc. in order to complete the Project without any additional costs

The Tenderer shall take in to account that the preambles given below are provided in order for him to understand the pricing methodology considered by the Engineer to arrive at the estimated price of the Works. Accordingly the Preambles shall be taken into consideration up to the extent where it is applicable inline with the Tender conditions and above points.

1.0 GENERAL

A These Preambles apply to all documentation comprising the Bills of Quantities.

B The Bills of Quantities shall be read in conjunction with the Contract and all documents referenced therein including but not limited to Conditions of Contract, Specifications and Drawings, Perspective views.

C This Contract is a Fixed Price Contract and the Quantities in the BOQ shall not be Subject to measurement except where specifically provided for in the Contract and where quantities are indicated to be "Provisional".

D Where quantities are indicated to be "Provisional" they shall be re-measured in net in accordance with Method of Measurements rules. In case if the measurement rules are not available in the Method of Measurement then measurement to be carried out as per the Engineer's Instruction. The value of work for the actual quantities as measured shall be paid to the Contractor at the unit rates inserted by him in the bill of quantities and the Contract Price shall be adjusted accordingly.

E The Bills of Quantities herein, including all notes and Instructions form an integral part of the Contract Documents. However, the descriptions contained in the Bills of Quantities for each item are not necessarily complete. Contractor will ensue that under his scope of work performs for the intended purposes/s and complies with requirements for statutory authorities, code requirements and satisfactory authorities, code requirements and satisfies inter discipline coordination requirements as necessary. The rates quoted for work include for functioning of system of elements in Contract Documents. The overhead and profit shall be same for each item in the BOQ, front loading of BOQ is not allowed

F The Contractor shall not use the Bill of Quantities for the purpose of ordering materials or arranging Subcontracts. References to these activities shall be the Specifications and Drawings and instructions issued by the Engineer.

G All items in the Bill of Quantities shall be deemed to have a monetary value, whether priced or unpriced. In the absence of a unit rate or price against any item, the cost shall be deemed to have been included elsewhere within the Contract Price and the work ascribed to that item shall be executed by the Contractor without any additional payment as per the Contract Drawings and Specifications.

H Written annotations of any nature that are inserted against items in lieu of a monetary value shall, without exception, be deemed to mean that the cost of that item is "included" elsewhere within the Contract and the work ascribed to that item shall be executed by the Contractor, at no additional cost.

2.0 Method of Measurement

I The quantities in the Bill of Quantities have been prepared generally in accordance with the Principles of Measurement (International) for Works of Construction dated June 1979 published by the Royal Institution of Chartered Surveyors, 12, Great George Street, Parliament Square, London SW1P 3AD, U.K. amended to suit local practice and conditions. The description of each item (which description shall imply references to any headings, Sub-headings, preambles or other clauses or items which shall apply) shall be held to include all materials, workmanship, plant and equipment including all taxes, duties, charges, all Government levies, landing charges, transport, profit and overheads and all other incidental costs to complete the Works. These preambles are to be read in conjunction with the item descriptions in the Bill of Quantities.

3.0 Descriptions

A All descriptions throughout the Bills of Quantities will be deemed to have been read in conjunction with the Preamble clauses listed hereunder.

B The descriptions throughout the Bills of Quantities describe the workmanship and materials necessary for each item and are not necessarily complete. The descriptions in the Bill of Quantities may be incomplete and the Contractor is referred to the Conditions of Contract, Drawings and Specifications (which term shall be deemed to include any relevant Specification notes on Drawings) for complete information in respect of all the relevant descriptions, quality, dimensions, capacities, design parameters and the like, as well as relevant Standards and Codes of Practice for further information in respect of materials and workmanship, as no claim, adjustment or variation will be considered on account of any failure to acquaint himself with such information.

C Where the Contractor proposes a material of different Specifications to the Specifications stated in the Contract Documents, and such alternative Specifications are deemed acceptable by the Engineer and Employer, appropriate deduction shall be made to the relevant unit rate to reflect the use of such alternative dimensions. In no circumstances will additional costs be payable as a result of Contractor proposed alternative Specifications.

D The term ‘as described’, means ‘as described in the Specifications’ which shall apply throughout the Works

E The term 'or equal' shall mean 'as described' and Subject to 'approval'.

F Lump sum Contracts: where a fixed price (Subject to Contractual variations) is tendered and agreed for a Contracting organization to deliver the Project. The fixed price is usually arrived at through the computation of a bill of quantities (BOQ) or activity schedule.

G Measurement is where the work is measured again as per the Engineers instructions and valued against agreed rates.

4.0 Quantities

A All quantities inserted in the BOQ have been measured net as fixed in position as per the Drawings,Specfications and other Contract Documents as appropriate and as described in the respective sections of this preamble.

B The Contractor shall be deemed to have checked and verified quantities in the compilation of his Tender Price prior to the Submission of his Tender. Upon the award of the Contract, the priced Bill of Quantities shall be used for evaluating interim payments due to the Contractor, and the unit rates for establishing the value of variations.

5.0 Unit of Measurement (and abbreviations)

A In the Specification, drawing and Bill of Quantities the following abbreviations have the meanings hereby assigned to them :-

C.P.	-means the code of practice issued by the B.S.I.
AASHTO	-means the Specification issued by the American Association of State Highways and '-Transportation Officials.
AED	-Arab Emirate Dirhams
ASTM	-means the Specification issued by the American Society for Testing and Materials.
AC	-Asbestos Cement
ACI	-American Concrete Institute
B.S.	-British Standards
BOQ	-Bill of Quantities
Cont’d	-Continued
DEPT,Dept.	-Department
DEWA (ED)	-Dubai Electricity and Water Authority (Electricity Division)
DEWA (WD)	-Dubai Electricity and Water Authority (Water Division)
DHS, Dhs	-United Arab Emirates Dirhams
dia.	-diameter
DM	-Dubai Municipality
DPA	-Dubai Ports Authority
DWD	-Dubai Water Department
Drg.	-Drawing
E.O.	-Extra Over
Etisalat, ETC	-Emirates Telecommunication Corporation
F.C.	-Fibre Cement
GRP	-Glass Fibre Reinforced Plastics
HDPE	-High Density Polyethylene
HP	-Horse Power
ISO	-International Standards Organization
Kg	-Kilograms
Kw/hr	-Kilowatt per hour
L.S.	-Lump Sum
m	-meter
mm	- millimeter
m^3,cu.m.	-Cubic meter
m^2, sq.m.	-Square meter

MDPE	-Medium Density Polyethylene
Mic.	-Micron
Min.,min	-Minimum
MDD	-Maximum Dry Density
MH	-Manhole
No	-number
Nos.	-numbers
O.P.C.	-Ordinary Portland Cement
PE	-Polyethylene
P.Q.	-Provisional Quantity
PVC	-Polyvinyl Chloride
Qty.	-Quantity
Item	-All-inclusive (composite) item
RHS	-Rectangular Hollow Section
Specs	-Specifications
S.R.C.	-Sulphate Resisting Cement
t, tons	-tonne
thk	-thick
uPVC	-Unplasticised Polyvinyl Chloride
W	-Width
P.C. Rate	-Prime cost rate
>	-Greater than
≥	-Equal to or Greater than
<	-Less than
≤	-Equal to or Less than
POM(I)	-means Principles of Measurement International for works of Construction dated June 1979 published by the Royal Institute of Chartered Surveyors, 12 Great George Street. Parliament Square , London SW1 P3AD, UK amended to suit local practice and conditions.
PD	-means British Standard. Provisional Document
DD	-means British Standard Draft for Development
Approved	-means approved by or approval of the Engineer in writing
Submitted	-means Submitted to or Submit to the Engineer in writing
Accepted	-means accepted by or acceptance of the Engineer in writing
Inspected	-means inspect by or inspection of the Engineer
Directed	-means directed by the Engineer in writing
Authorised	-means authorized by or authority of the Engineer in writing
Required	-means required by the Engineer in writing
Rejected	-means rejected by the Engineer in writing
In writing	-above shall also mean verbally later confirmed in writing
O.O.E.A.A	-means or other equal and approved
lm	-Linear meter
KN	-Kilo Newton
Mpa	-Mega - Pascal
Pc, or Pcs	-Piece or number, Pieces or Numbers
PS	-Provisional Sum
EN	-European Norms
Sq.	-Square – measure for area
Cu.m	-Cubic meter – Measure for volume
DCD	-Dubai Civil Defence
DCCA	-Dubai Creative Cluster Authority
GRC	-Glass Fibre Reinforced Concrete
WPC	-Wood Plastic Composite
PT	-Post Tensioning
DDA	-Dubai Development Authority

6.0 Rates

A The rates for each item are comprehensive and includes for complying with the Instructions to Tenderers, Conditions of Contract, Specifications, Drawings, Soil Report, Local Authority Regulation Guidelines and all obligations under the Contract including all matters and things necessary for the proper construction, completion and maintenance of the Works. No claims for additional payment will be allowed for any error or misunderstanding by the Contractor of the Work involved. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings and the Contractor shall provide against the bill rates or in the prices for the full scope of work covered by the Contract, no claim or variations shall be considered on account of the Contractor's failure to comply with this provision.

B The rates for each item allows for complying in all respects with the requirements of the Specifications and drawing, shall be held to include for all that is necessary to fulfil the liabilities and obligations arising out of the performance of the Contract, requirement of Local Authorities and must include for, but are not limited to all of the following: -

i). Labour and all associated costs.
ii). Materials, goods and all associated costs.(including purchasing, conveyance, delivering, unloading, positioning, handling, hoisting, lowering, returning packing's and the like),
iii). Fitting and fixing materials and goods in position.
iv). Provision of plant, scaffolding, equipment and tools.
v). Temporary Works.
vi). Storage, Protection, Cleaning Pest Control of the Works.
vii). Establishment and overhead charges and profit.
viii). Complying with all obligations imposed by the Contract.
ix). All applicable taxes, duties, charges, Government levies, landing charges and transport.
x). Restriction of working areas, working hours and procedures.
xi). Wastage, short lengths, cutting, breakages, Spares.
xii). Replacing goods damaged, broken, lost or stolen,
xiii). Design for alternative method of Construction or use of alternative materials, equipment followed with related indemnity, insurances, guarantees, warrantees, etc.
xiv) On site Mock-up and related works as per the Employers Instructions.

C Allowance must be made in the quoted rates for full compliance with the specified requirements and procedures for obtaining approval of materials, manufactured items and work methods including the provision of all Drawings, manufacturer's Specifications, literature, samples and copies of manufacturing standards.

J The Contractor shall not be entitled for any overheads, profits, attendance, builder's work as appropriate of any kind, loss of profit, any losses, with respect to the Provisional Sum item/s, or Prime Cost Rate item /s or any other item /s which are deleted from the Works.

K The Contractor shall not be entitled for any overheads and profit on fees, charges, deposits paid to the various Local Authorities in connection with Service connections, Building Permit, etc.

Quoted Rate by the contractor is deemed to include,

L a. Unless otherwise stated or measured, for execution of every item and the consequent waste, for work in girths, width or heights, and for all short lengths.
b. all work shall include for ,protection, provision of samples and testing.
c. include for lift shafts coatings, grouting for white jambs and the like.

O Quoted Rate by the contractor is deemed to include for lift shafts coatings, grouting for white jambs and the like.

a) Pricing Preambles, drawing and Specifications shall apply reciprocally between sections of the works unless otherwise described.
b) Materials shall be of the quality specified unless otherwise directed by the Engineer.
c) All materials shall be transported, handled, stored and fixed in accordance with the printed instructions or recommendations of their manufacturers or Suppliers.
d) Protection of completed work, all casing and temporary coverings and making good, cleaning, pest control and polishing and clearing away upon completion

Q Where the word "allow" is used, the cost of the item shall be the responsibility of the Contractor.

R The amounts set against any item includes for all applicable costs in connection with letters of credit, bank charges, interest charges and insurance after the materials, come under the control of the Contractor.

S The unit rates inserted in the BOQ will be used to determine the amount of the Contractor's Interim Payments and Variations.

T All the Items that are omitted or non executed upon Engineers Instruction with the consent of Employer, Contractor must provide cost saving for those items.

7.0 Variation

The rates inserted in the Bills of Quantities with the application of the adjustment item will be used to value any variations to the work, whether omissions or additions. The Contractor shall not be entitled for any work deleted and no payment will be made for loss of profit and overheads on the value of the Work.

8.0 Shop Drawings

The rates in the appropriate section includes for providing working Drawings, shop Drawings, revisions until approved etc. and for obtaining the Engineer's approval. As built Drawings to be duly certified by the Engineer.

9.0 Discrepancies

In the event of there being any discrepancies between details on Drawings, descriptions in Specifications and descriptions in the Bill of Quantities then the rates and pricing shall be deemed to relate to the documents order of precedence set out in the Contract Agreement. Any discrepancy arising in terms of these Preambles and the items contained within the Bill of Quantities must be brought to the attention of the Engineer for his clarification. No claim on account of oversight of discrepancies will be entertained in future as variation to Contract.

10.0 Employer Supplied and Fix Only Materials

A The expressions "Employer Supplied Materials" "Fix only" shall mean the items or equipment which have been procured and delivered at site, wherein the Contractor has to receive, store , install, test and commission them as a part of the Project, described in Specification, in Contract Drawings and the Bill of Quantities.

B The Engineer shall specify these items including all accessories, which are required to complete the installation as detailed in Drawings, Specification or Bills of Quantities. The details of materials, supplier's information and delivery details shall be issued to the Contractor when they are finalized. However, Contractor shall be responsible for quantification and informing the Engineer.

C The Contractor's rate shall include for wastage, cutting, breakages and Spares. The Contractor's rate to include for spares as specified in document.

10.1 Contractor's responsibilities shall include but not be limited to the following:

A Fixing as defined in Clause GP7.2 of POM(I).

B Supplying full size templates, giving and marking dimensions and taking responsibility for their accuracy.

C Taking delivery, unloading, hoisting, storing, protecting, handling, distribution and placing in position and assembling as required.

D Casing up and protection, including clearing away protection on completion of the Works, including that of Subcontractors.

E The full cost of replacement of any items which are damaged, broken, lost or stolen after the acceptance of the items from the supplier or Employer and until handing over the complete Works.

F Other necessary and usual facilities and documentation.

G Verification of quantities of materials prior to placing of orders with the Suppliers and advice the Engineer if there are any discrepancies.

H Notify the Engineer in advance if there are any delays in delivery of materials / equipment, which may affect the completion of works according to the programme.

I Receive samples of materials delivered to site and installation of samples according to manufacturer's recommendation or Specification or as detailed in Drawings and obtaining of Engineer approvals of all materials included as fix only in the BOQ.

J Allow builders' work in connection with installations.

K On receipt of materials supplied by Employer at site, the Contractor shall unload, check for shortages, breakages, damages or any failures notify the Engineer within five working days.

L The Contractor shall only accept deliveries or materials on site upon verification with the approvals.

M The Contractor shall be held responsible for any losses, breakages and damages to materials once he has confirmed acceptable delivery to site.

N Maintain schedules of materials delivered to the site and the material installed with a proper inventory.

O Coordinate with the Subcontractors and issue materials, as they are required on the site.

P Make necessary arrangements for protection of installed materials until taking over of works by the Employer including safeguarding against vandalism and theft.

Q Co-ordination with the Nominated Suppliers and providing proper vertical/horizontal movement access and equipment to all Subcontractors/Nominated Subcontractors (NSC)

10.2 MEP Sub-Contractor's responsibilities shall include but not be limited to the following:

A Verify the quantities of materials as per approved shop Drawings / Specification / as required on site to complete the installation prior to placing of orders with the Suppliers.

B Check delivery orders with Contractor and advise them if there are any additional items / missing accessories required for the installation at the time of delivery.

C MEP Sub-Contractor shall issue a complete set of shop Drawings to the Engineer through the Contractor to justify the final quantities of material in order to procure material on time to suit the construction programme. The MEP Contractor shall allow sufficient time for procurement, anticipating the delivery period of material and obtaining of approvals of shop Drawings.

D Coordinate with Contractor and receive all material after checking of all items at site store and distribution of them as required for the installation of all materials included as fix only in his Scope.

E MEP Sub-Contractor shall responsible for any losses breakages and damages to material during distribution or installation.

F Install samples of material to the satisfaction of the Engineer.

G Install materials or equipment as per manufacturer's recommendations or as detailed in Drawings /Specifications.

H Allow for all fixing such as anchors, screws, bolts, washes and nuts.

I MEP Sub-Contractor shall allow for Antifungal mastic around all sanitary fixtures as necessary to the approval of the Engineer.

J Test and commission of fixtures or equipment and notify the Engineer for any defects found. L Handover installed items to the Engineer.

K Maintenance until the issuance of Defect Liability Certificate.

L Handover installed / commissioned works to the Engineer completed.

M Obtain completion certificate from Authority for occupancy of premises and handover the certificate to the Engineer / Employer.

11.0 Supply Only Items

A The expression "supply only" used in the Bill of Quantities means that the Contractor is to provide for everything as defined in Clause GP4.1 of POM(I) in connection with such items except for labour. All such items are to be delivered to site and stored in accordance with the Engineer's instructions.

B The Contractor's rate will include for wastage, cutting, breakages and Spares.

12.0 Prime Cost Items

A Certain items mentioned the Bill of Quantities may include Prime Cost rates. The Contractor shall include in his quoted rate for all costs associated with the purchase of materials including quantification, obtaining quotations,comparision statements,coordination,approval, material Submission, shop Drawings approval, testing, samples, taking delivery, unloading, storing, replacing goods damaged, broken, lost or stolen, waste, cutting, fixing in position, Spares until issuance of Defects Liability Certificate, protection after installations and all Overheads and Profit required to provide the final rate which the Contractor must complete and carry to the relative place within the Bill of Quantities.

B The Employer / Engineer will issue the Nominations only for the Prime Cost rate items mentioned in the Bill of Quantity in part or full, moreover the Employer/Engineer has right to partially or fully omit such Prime Cost items from Works. PC rate adjustment will be as follows: The quantity as stated in the Bills of Quantities shall not be re-measured. The Prime Cost rate will be replaced with the Nomination unit rate issued in the Nomination. Appropriate adjustments to the Overhead and Profit will be made. This PC rate adjustment for payments to the Contractor will be made in accordance with conditions of contract.

C Should the materials covered by a Prime Cost Item be omitted fully or partially from the Contract, no payment against that Item shall be made to the Contractor. Also, no payment for loss of profit or overheads will be considered against the same.

D The "Single percentage" quated by the Contractor shall be applicable on PS ans PC adjustment arived at the finalization of the PS and PC items.

E When metal and timber doors, windows and panels and aluminium doors, windows, panels and curtain walls are P.C. rate items and Provisional Sums, the Contractor will provide and fix Sub-frames for the same.

F when items are repeated under PC and PS items and Contractor scope, Contractor must comply as per Engineers determination with the consent of Employer.

13.0 Preliminaries

13.1 Bill item for Conditions of Contract

A Payment for this item will be by monthly instalments and shall cover all costs and expenses including overhead and profits incurred by the Contractor in carrying out the requirements of the Conditions of Contract not otherwise included in the Bill of Quantities.

B Items for which the measurement unit is in days, such items shall be measured for the actual period for which facilities, services, etc., are provided in accordance with the construction programme. Measurement will commence only after the completion of the Mobilization period and on the day as approved by the Engineer in agreement for the facilities, services etc., when fully provided.

C These instalments can be suspended, reduced or deleted from any Payment, if, in the opinion of the Engineer, the Contractor is not fulfilling his obligations.

13.2 Bill Items for Site Offices, Plant, Workshop and Site Laboratory Facilities

A Payment for the establishment of these items will be lump sum which will be made only after the completion of all facilities.

B Payment for the maintenance of these items will be in monthly instalments calculated on porrata basis of the progress.

C Payment for the removal of these items will be by lump sum which will be made only after the completion of their removal. The removal of the Site Office for the Engineer shall be one month after the completion of the Works. The site office for the Engineer will be handed over to the Employer upon the completion of works and will be removed later as directed.

13.3 Bill Items for Contractor's Site Management, Site Protection, etc.

A Payment for these Bill Items shall be in monthly instalments.

B These instalments can be suspended, reduced or deleted from any Contract Payment, if, in the opinion of the Engineer, the Contractor is not fulfilling his obligations.

C The rate inserted for General Protection of the site shall include for the cost to maintain access to areas adjacent to the work site.

D The item for Traffic safety and control shall include the cost of all temporary traffic diversions and traffic management necessary to complete the works. The item shall include for liaison with the Dubai Police and Dubai Municipality and conforming to their requirements for safety.

13.4 Bill items for Traffic Safety, Temporary Diversions and Cleaning of Site

Temporary works, diversions, site cleaning, etc. and other items not otherwise covered in this preamble or otherwise detailed in this Bills of Quantities will be cost related items and will be paid as a percentage of work completed to total value of work. Traffic safety to be complied with Nakheel regulations.

13.5 Bill items for Surveying Equipment

A Payment for the establishment of this surveying equipment will be by lump sum and it will be made only after the delivery of all the equipment specified. Payment for items maintained will be in monthly instalments.

13.6 Bill item for Providing Assistance to the Engineer

Payment for this item shall be in monthly instalment's and is deemed to cover all costs in providing assistance to the Engineer by the Contractor as stated in the Contract.

13.7 Bill item for Project Sign Boards

Payment for Project Sign boards shall include for erection, maintenance, removal within the month of Substantial completion and reinstatement of ground to its original state. Provide power supply for illumination of sign board as necessary during / for Contract period.

13.8 Bill item for Progress Photographs

Payment for progress photographs will be by set of weekly and monthly progress photographs as defined in the Specification.

13.9 Bill Items for Performance Security and Insurances

Payment for the Performance Security and Insurances shall be made upon approval of the relevant documents by the Employer, related parties and Submission of copies of receipts indicating evidence of payment for the same.

13.10 Coordination with the Service Authorities

The Contractor shall coordinate with the Service Authorities and provide all necessary facilities as may be required and as foreseeable by an experienced Contractor. The cost of such coordination and facilities are deemed to be included in the respective items in the Bill of Quantities‟ General Requirements division.

14.0 Item Work

A All quantities for excavation have been measured net with no allowance for increase in bulk or working space.

B The qoated rates includes for trench for pipes shall include for disposal and backfilling.

C Quoted rates includes for drain pipes generally are to include for all short lengths, back stops, wooden plugs and retaining and alignment pegs required in laying and for the extra involved over normal trench excavating in hand packing and tamping selected fine material around the lower half of the pipes to buttress them against the side of the trench. Rates are to include for leaving all pipes clean and clear. Rates for drain pipe to include for providing bedding material below pipe, support to pipe for laying it to required gradient, benching, draining of bedding material below water table. Rates to include for providing warning tapes and protection tiles over coarse sand.

D Pipes are measured net as laid and are to include for all drain fittings on all types of drain pipes, extra joints of all types, cuttings, waste, etc., for laying in trenches of any depth, and building in to sides of inspection chambers.

E Quoted rates includes for drain fittings on all types of drain pipes are to include for extra joints of all types and cutting and waste on all

F Quoted rates includes for sealing of openings at crossings to requirement of Civil Defence / Fire / other authorities' requirements.

15.0 Demolition

A Demolition shall include for carting away to location as directed by the Engineer or handing over to the Employer.

B The quoted rates for demolition include for making good of surface after demolition is complete.

C The quoted rates for remove and stacking include for carefully storing the removed material in a secure place until it is reused.

D To include for protection of existing work in surrounding and making good of defect if any upon the completion occurred during execution of work.

E To reinstate the damaged surface / surrounding original and strengthen it to avoid occurrence of any defects / cracks at the junction in future.

16.0 Site Works

A The Contractor shall allow in his quoted rates for excavating in any material including rock, running silt, running sand, commencing excavation at any depth, excavating below the normal water table, excavating around existing services and mains, supporting the vertical sides of excavations, working space and filling soft spots.

B Qouted rates for disposal of excavated material shall include for any necessary double handling and the provision of a tip, if necessary, including and charges in connection therewith and in compliance with D.M.,DDA, Trakhees and Nakheel regulations.

C Quoted rates for all excavation shall include for keeping excavations free from water by whatever means. Rates shall also include excavating by whatever means are necessary including hand excavation in any kind of ground, over break including filling with mass concrete to the levels required by the Engineer, trimming or grading ground to produce level surfaces or surfaces to falls or slopes and ramming and compacting sides and bottoms of excavations and supports to sides.

D Quote rate shall include for Removal/Relocating/Protecting of Services

i) Rate for removal/relocating/protection services shall include but not limited to the following:- Approval from the Legal Authority.
Removal/Relocating/Protecting services including disconnection, reconnection work and fees Making good with all additional material.
Cart away all debris from site to approved Authorities locations.
Rectification of existing damaged services where necessary to retained or keep. Careful handling of works.
Additional safety measures.
Any excavation, backfilling, ducts and trench work. Any design work (if necessary).

ii) Rates for imported fillings, graded gravel fillings, etc., shall include for purchase and transport of filling materials, levelling and compacting as required by the Specification, grading to slopes and falls, special compacting to form vertical or battering faces and forming sinking's.

iii) The rates for drains, inspection chambers, etc., are to allow for testing, unless measured separately in the General Requirements.

E Anti-Termite Treatment

DEWATERING WORKS / SYSTEM

The quoted rate shall include for :

i) Equipment, plant and labour necessary for carrying out the dewatering works.

ii) Spare parts, stand-by pumps, fuel, consumable items and all attendance associated with the dewatering works.

iii) Connection charges, authorities fees and charges, equipment, plants, labour, etc., necessary for the disposal of water.

iv) Shutting down, dismantling and de-mobilization costs associated with the dewatering system.

v) Provision of Method Statement (including for shutting down the system), design calculations and shop Drawings to the approval of the Engineer.

17.0 Concrete Works

A Construction joints, pour strip, shrinkage corridor have not been measured, but are to be included in the rates for concrete slabs, beams, columns and walls, etc. The position of all construction joints shall be agreed with the Engineer.

B The rates includes for blinding concrete beds shall include for levelling and compacting the ground under and for formwork to the edges.

C The rates includes for concrete shall include for mixing, hoisting to any heights, or lowering to any depth, compaction by vibrators by hand and machine if required, curing, hacking surfaces for key, keys, kickers, forming and grouting mortises, making good concrete in connection with holes and mortises, curing and protecting concrete surfaces and all surface treatment to unset concrete. The Contractor to make the provision of washout of transit mixer / pump after casting and remove and dispose.

D Rates includes for concrete casing to stanchions shall include expanded metal lathing and angel beads.

E The rates includes for concrete shall include for joint sealing between concrete and plaster.

F The rates includes for concrete shall include for concrete test cubes and testing costs.

G No cutting away of concrete shall be carried out without the approval of the Engineer. The Contractor should ascertain from the Engineer the total number of locations of items to be formed in and cast into in- situ and precast concrete including those which are not specifically shown on the Drawings. All remedial Works shall be carried out at the Contractor's expense.

H The rates includes for bar reinforcement shall include for the fixing of bars of any diameter, extra material in laps, straightening as necessary, cutting to length, positioning and protecting starter bars, cleaning, wire brushing, bending to the required shapes, supports, tying wire, distance pieces, chairs, couplers, all laps,links,hooks, u-bars at the ends etc. block spacers and for welding of bars to form mesh reinforcement.

I The rates includes for rod/bar reinforcement shall include for the cost of calculating and preparing all bar bending schedules to the approval of the Engineer. Bending schedules are to be prepared in accordance with BS 4466. The rates shall include for waste, working space and trade or traditional allowances.

J The rates for concrete includes the Control of Concrete temperature as specified and pump charges as required.

K The rates includes for fabric reinforcement are to include for rolling margin, design of Post Tensioning, straightening before fixing steel binding wire and approved distance pieces, cutting, bending, dowels, chemical grouts, coatings and notching around obstructions, supporting in position, chairs, couplers and for all overlaps and cutting and notching.

L The rates includes for shuttering shall include for all props, struts, stays, wedges, bolts, all cutting labours at the intersections, overlaps, passing's at angles, shortening struts and re-strutting, cutting and fitting around Projections and pipes, grooves of any sectional area, all stops, chamfers, splayed angles, shutter or mould oil, strutting and supporting shuttering to any height and for easing, striking and removal. The rates shall also include for chamfered edges to all external angles as detailed. Rates shall also include de-shuttering and removing of pops, panels etc.

M Shuttering to sides of walls, parapets, Upstand and Down stands or the like includes the areas for returns, ends, Projections, reveals, rebates, grooves, recesses or the like.

N Wherever formwork is described as 'to produce a fair face finish' such term shall be held to include any smooth fair faced finish as specified.

O The rates for precast concrete includes for all reinforcement and for all moulds, square, rounded and mitred angels, holes or notching for pipes, forming of fair face, hacking, forming keys, lifting hooks, struts, supports, etc., and hoisting, setting and bedding in position.

18.0 Masonry Works

A The rates for block work are to includes lintels over opening more than 300mm, all cuttings, forming chases, grooves, building to any height off slabs or beams, insulation, raking out joints or hacking surfaces to form key, bedding and pointing frames, etc., building in door and window frames and the like, building in or cutting and pinning in ends of lintels, steps, timbers, steel sections and the like, mortises and making good in connection with building in cutting and pinning in, holes and mortises.

B The rates for block work includes for all expansion joint with compressible filler and joint sealant or fire sealant as stated on the Drawings and Specifications.

C The rates for block work includes for stainless steel anchor channels, masonry ties and all necessary block accessories as per Specifications at horizontal abutments of beams and vertical abutments of columns and the like.

D The rates for hollow block work includes for filling blocks solid with in-situ concrete and steel bar reinforcement where shown on the Drawings and for providing solid course of block work at sill level of all openings and bearings of all in-situ concrete and the top of all free-standing walls and for stiffener columns.

E The rates for cavity walls includes for stainless steel vertical twist ties and any infill material as indicated on the Drawings or in the Specifications. The rates to include provision of RCC frame around openings and tie column and beams to maintain unsupported block work area not exceeding 14 square meters.

F Notwithstanding clause D4.1 of the Principles of Measurement reinforcement to block work shall be deemed included in the rate for block work.

G The rates for block walls includes for Block testing at a recognized laboratory, provision of certificates, all considerations arising from the Specification, small quantities and any extra labour in forming kerbs, all labour and materials necessary for closing wall cavities and Wedging and pinning up to soffits and all insulation required between tops of concrete block partitions and underside of structure.

19.0 Metal Work

A The rates for structural metal work includes for the following:

1) Fabrication, delivery to site and erection, allowance for rolling margin, cutting to size and shape and joints in the running length, notches, holes, slots, mitres, ends, scribing and for all drilling and splay cut ends, welding, weight of weld metal in welded constructions.

2) Members of any length and Grinding to a smooth finish, filling and cleaning off welds and irregularities, finishing cut edges straight and true and slightly rounding all sharp edges and arises

B The rates for core rails and handrails etc. are to include for all welded joints in the running lengths, bends, angles, ramps, wreaths, stop-ends and the like

C The rates for tubular rails, handrails or balustrades are to includes for made bends, forged bends, mitres, crosses, tees, flanged ends and the like; the rates for mild steel tubular handrails and balustrades are also to include for all fittings.

D Notwithstanding clauses E2.4 and E2.5 of the Principles of Measurement wedging and grouting, holding down bolts, or the like including temporary boxes shall not be measured separately but shall be included in the rates for structural steel frame members.

E Fittings includes for caps, brackets, connections, cleats, brackets, stanchion and rafter restraints, gussets, end plates and the like, including all welding, cutting, notching and the like.

F Fixings includes for bolts, nuts, washers, countersunk bolts, distance pieces, rivets, holes and countersunk holes, together with all fixing (including screwing and drilling).

G Rates for galvanising or similarly treated work are to include for the treatment of all ends to the approval of the Engineer. Galvanising shall be done after fabrication

H Rates for Structural Metalwork includes for shop priming and the like over sand / grit blasted metal surface as specified.

I Rates for protective treatment and decoration, whether applied at shop or Site, includes for touching up on Site, making good erection damage and the like.

J The rates includes for treating all exposed metal surface shall be made fire resistant.

K The rates for metal work includes for protection treatment of metallic surfaces unless otherwise noted elsewhere.

L All items in "Structural Metalwork" shall equally apply to Non-Structural Metalwork.

M The rates for all steelwork and metalwork includes for ends, angles, intersections, ramps on frames, handrails, bearers, stays and the like, assembling and jointing, together components, all holes for pipes, tubes, bars, cables, conduits and the like and all other holes, countersunk holes, tapped holes, slots and the like. The rates for steelwork includes for all stanchions and rafter restraints, gussets and end plates.

N The rates for bolts and countersunk bolts includes for holes and countersunk holes.

O Rates for galvanised steel includes for one coat of rust proof primer applied at the works or immediately upon delivery to site.

P Rates for metal skirting's, duct covers and the like includes for all angles, intersections and ends.

20 Wood Work

A The rates for all woodwork includes for all raking, curved or splayed cutting, mitres and ends to all members, for all joints in members over 200mm wide or for obtaining timbers in one width notching's, sinking's, rounded curves, splayed edges, extra timber in joints, horns, all dowels, cramps, holes for pipes, tubes, bars, cables, conduits, ducting, non-corroding nails and screws, trunking and the like.

B Woodwork includes for joinery shop/factory applied stain, varnish, lacquer, paint and the like, protective, decorative finishes and protection of Wood works after installation. No claim will be allowed in the event that the Contractor elects for any alternative finishing system in order to satisfy the Specification.

C Work shall be measured net as fixed

D Rates for woodwork includes for necessary decorations and fixtures and fittings

21.0 Thermal and Moisture Protection

A The rates for waterproof membrane and insulation slabs shall includes for testing, cutting, notching, bending and lapping, seams, narrow width, holes for pipes, standards and the like, angles, returned ends and dressed ends on flashings, turning into grooves and forming outlets, skirting's, up stands, aprons, gutters and channels and forming small openings.

B The rates for gutters includes for angles, ends, seams passing's at ends and outlets.

C The rates for damp proof courses includes for laps passing at angles and intersections and for additional mortar in bedding.

D The rates for insulation includes for taped joints as specified.

E The rates for Thermal and Moisture Protection are includes for work at any height and all narrow widths.

F The rates for all liquid waterproofing are to include for all additional labour and materials in connection with Surface preparation of the Substrate,

G Additional treatment as may be required at expansion joints, dishing to outlets, collars to pipes, coves, up stands and the like including priming, sealing, waxing, etc.,

H Maintaining the recommended temperature of the waterproofing materials immediately prior to their use, Protection and curing.

I Any Leakage of waterproofing and damages occurred, rectifying, restoring and making it Functional and the like to be by the Contractor.

22.0 Doors And Windows

A Rates for doors includes for :

a) Doors singularly or in multiple leaves.
b) All labours and lipping's to edges.
c) Loose beads to glazing openings.
d) Glass to glazed opening as specified.
e) Sub frames, frames, architraves and the like.
f) Special features of any type.

g) The rates shall further include for rebates, chamfers, grooves, scribed edges, rounded edges and the like labours and shall include for all cross grain and stopped work and for all stops, ends, angles and mitres.

B Rates for glazing includes for the following:

a) Panes of any size.
b) All straight raking, curved and circular cutting and all consequent wastage.
c) Patterned and wired glass shall include aligning adjacent panes.
d) Wash leather bedding strips in conjunction with timber beads.
e) Glazing fillets shall include pinning to wood or clipping to metal unless otherwise stated.
f) Patent glazing shall include accessories and shall be fixed with screws or by the method required by the system used, hardwood framing shall be measured separately.
g) Glazing shall include blocks, setting blocks, locating blocks, distance pieces, with any accessories for fixing identified separately.
h) Cleaning off protective wax coating in rebates prior to glazing aluminium windows, screens and doors.
i) Glazing to aluminium shall include setting in continuous PVC gaskets and retaining by snap-fit glazing beads.
j) Replacement of broken glass until issuance of Taking Over certificate

C Rates for ironmongery includes :

a) Matching screws, fixing and forming mortises, sinking's in floors and the like.
b) Master and Sub-master key systems as required.
c) Removal of ironmongery after first fixing to enable decoration, refixing and adjusting.
d) Testing, easing and adjusting including oiling and leaving in perfect working order.
e) Adhering strictly to mastering and Sub-mastering schemes.
f) Supplying and labelling at least two keys for each and every lock and handing to the Engineer.
g) Master key if required by the Specification or Drawings.
h) Provision of key box with lock in the Management Room.

D The rates for doors are to include for fitting and hanging any type.

E The rates for glass louver blades are to include for ground and raised edges

23.0 Finishes

A The rates for all finishing's includes for preparing surfaces for finishing's or backings, for working at or up to any height, and all narrow widths, small areas and all cuttings.

B The rates for all finishing's includes for all dubbing out to walls and columns necessary to produce an even surface preparatory to the application of the finishing coat.

C The rate for all finishing to soffits includes for level and sloping soffits.

D The rates for all finishing's to block walls are to include for plasterwork to face of concrete columns, lintels, etc.

E The rates for in-situ plain sheet, tile, slab or block finishing includes for fair edges, rebated edges, splayed edges, rounded edges, arises, quirks, grooves, flutes and the like; all ends and angles or risers and edges of landing ends, angles, ramps to strings and ends of steps; all fair joints or fair cutting, making good cutting and fitting around pipes, bars, cables, conduits, ducting, trunking, sanitary fittings and the like; dishing to gullies and outlets, mortises, sinking's and ends, angles, ramps, outlets and intersections to skirting’s, flush, raised or sunk bands, sills, dividing strips, control joints, channels, kerbs and the like.

F The rates for in-situ finishing's includes for all internal and external angles, fair, rounded and chamfered edges, arises, chamfered external angles and coved internal angle.

G The rates for beds and backings includes for forming keys. The rates for finishes, backings, screeds, etc. will also include for expansion joints, control joints and the like as Specified.

H The rates for plastering to vertical surfaces includes for providing expanded metal lathing of the required width wherever concrete and block work surfaces meet. The rates for backings, plastering, renderings, shall include for all metal plaster stops, angles and beads and additional stops to form grooves in surfaces.

I The rates for ceramic wall tiling includes for a hollow rounded fillet at the junction with other wall finishes.

J The rates for painting includes for working to or at any height; internal or external work; all narrow widths; rubbing down between coats; priming; work in multi-colours; cutting to line; opening edges of doors and work on additional surfaces exposed by such opening edges; hooks, bolts and clips to sheeting and pipe clips, saddles and holder bats and the like and for removing ironmongery and refixing on completion. The rates for painting on wood includes for work on hardwood/softwood and for knotting. The rates for painting on manufactured boards and wood includes for surface filling. The rates for sprayed painting to horizontal soffits includes for painting all pipes, ducts, fittings, etc., as no allowance has been made in the measured items for this equipment.

K The rates for suspended ceiling tiles and panels and the like shall include for chamfering all cut edges; cutting around light fittings, grills and diffusers or the like. Rates includes any depth between the soffit of the slab to which the ceiling is suspended and the finished level. All suspended ceilings are measured flat on plan, verticals to bulkheads or the like shall be measured separately. All linear items shall include for angles, ends and the like.

L Notwithstanding clause J5.1, the rates for suspended ceilings includes for ceilings, sides and soffits of beams or up stands regardless of the drop of suspension.

M Rates for suspended ceilings includes for any additional suspension members necessary to support lighting fittings or similar.

N The rates of tiles includes for edge trims, corner guards, splash trims, sealant (at junction of sanitary and other fittings), etc.

O The sealant will match colour of tiles

P The rates of all finishes includes for detachable access panel with hooking chain (for maintenance of systems in voids behind).

R ROOF AND SIDE CLADDING

The areas given are measured net without addition for laps or seams. Cutting, lapping and sealing included in the rates and prices entered. Perforating and sealing around pipes, standards and the like included in the rates and prices entered. Provide cover cap of similar colour around penetrations.
Expansion joints, flashing trims, soakers, fillers and seals, and the detail requirements at eaves, valleys, ridges, corners, windows at the junctions with other constructions shall beincluded in the quoted prices.

S PAINTING AND DECORATION

The rates for painting and decorating includes for the following:

a) Painting either internally or externally
b) All cleaning and preparatory work to the surface to be painted including rubbing down between coats.
c) Priming shall include for using a primer appropriate to the surface to which it is being applied
d) Preparation of manufactured boards and wood products shall include for surface filling
e) Work on ‘woodwork’ shall include both softwood and hard wood and for knotting
f) Extra preparation on metal trims and the like over that of general surfaces in which they are decorated.
g) Unless of a differing Specification, work shall be deemed to cover internal or external painting.
h) Work in multi-colours.
i) Work to curved surfaces .
j) All cutting into edges
k) Scaffolding as required and working to or at any height
l) All narrow widths, cutting to line, opening edges of doors.
m) Making good of defects in Substrate prior to application of paint finishes.
n) Provide for fibre glass scrimp tape over junction of dissimilar materials or over cracks, etc.

24.0 Accessories

A The rates for accessories includes for fixing to any type of surface, all necessary screws, bolts, nuts, washers, nails, pins and similar items required but which are not supplied with the accessories, all fitting, cutting, housing, sinking, boring, morticing, drilling and similar labours to the surface which the article is being fixed and making good to surrounding materials.

B Unless otherwise described the whole of the Accessories shall be executed in accordance with the relevant Specification Clauses.

25.0 Mechanical Engineering Installations

A The rates and prices for plant, equipment and installations are to be all inclusive of supply, installation, testing, commissioning and all associated builders work required for the full operation of such plant, equipment and installations, to comply in all respects with the Specifications, Bill of Quantities, Drawings and to the complete satisfaction of Dubai Municipality, Local Authorities and the Engineer. The quoted rate shall include compliance and approval statutory authorities and insurances as applicable. Cables from RMU room to the Substation to be performed by the Contractor.

B Builder's Work includes for all secondary steelwork supports for plant, equipment, trunking and the like not specifically shown or indicated on the Drawings.

C The rates for trenches for pipes includes for disposal and backfilling.

D The rates for drains, inspection chambers, etc., are to allow for testing.

E Rates for pipes and ducts generally are to include for all cuttings, short lengths, back stops, couplers, wooden plugs and retaining and alignment pegs required in laying and for the extra involved over normal trench excavating in hand packing and tamping selected fine material around the lower half of the pipes to buttress them against the side of the trench. Rates are to include for leaving all pipes clean and clear.

F Pipes are measured net as laid and are to include for all fittings on all types of pipes, extra joints of all types, cuttings, waste, fixing with approved holder bats or pipe clips, sleeves through walls, thrust blocks, etc., for laying in trenches of any depth, and building in to sides of inspection chambers.

G Rates for fittings on all types of drain pipes are to include for extra joints of all types and cutting and waste on all pipes.

H Rates for accessories includes for concrete surrounds and any additional excavation and disposal.

I The length of cable is measured as the mean distance covered by the cable.

J Prices and rates for ductwork includes for all bends, hangers, vanes, Splitters, dampers, accessories flexible connections, joints, waste, seams, stiffeners, bracing, access doors, sleeves, acoustic sleeves and all items include in the sections of the Specifications.

K Prices and rates for insulation includes for insulation to all fittings, flange boxes, valve boxes, etc. and around all supports.

L Prices and rates for door transfer grilles includes for forming of holes, fixings and making good.

M The total cost for the services includes for the detail design, together with the preparation of all necessary calculations and workshop Drawings which, together with all manufacturing data shall be Submitted to the Consultant for approval before purchase, manufacture or installation.

N The rates for sanitary fittings and the like, unless otherwise described, includes all accessories, assembling component parts including suitable bedding compounds, all necessary plugging and brass screwing, fixing accessories, joints to water services with straight or bent proprietary connectors, joints to waste soils or drain pipes with approved proprietary connectors, cleaning off all protective wrappers and leaving ready for use and leaving taps and valves greased, clean and in full working order.

O The Mechanical Items shall be removed from the Contractor scope and executed through a nominated subcontractor whenever Client needs, and the Main Contractor to provide necessary coordination and payment on back to back basis to the nominated subcontractor.

26.0 Electrical Engineering Installations

A The rates and prices for plant, equipment and installations are to be all inclusive of supply, installation, testing, commissioning and all associated builders work required for the full operation of such plant, equipment and installations, to comply in all respects with the Specifications, Bill of Quantities, Drawings and to the complete satisfaction of Dubai Municipality, Local Authorities and the Engineer.

B Prices and rates includes for the following:

a). Draw wires in empty conduits.

b). Marking positions of holes, mortises, chases, etc.
c). Cutting and pinning ends of supports to structures.
d). Painting as required.
e). Fixings, including all steelwork, supports, slips holder bats and hangs.
f). Joints, bolts, washers, nuts, junctions and everything necessary for the satisfactory jointing of pipes or ducts to each other, to items of equipment or connecting ducts to voids, shafts etc.
g). All waste, cuttings, short lengths etc.
h). Labels, nameplates, belt guards and all accessories called for in the Specification.
i). Rates for conduit are to include for all necessary accessories including conduit Boxes
j). Pipe sleeves through walls.

C Cable trunking and tray items are to include for complete installation as required.

D Rates for cable terminations are to include for terminations are to include for Termination glands, lock nuts, drilling entries into equipment, lugs, earth tags, spreader boxes, etc. where applicable.

E All items containing equipment, accessories and fittings includes for earth Terminals and bonding as necessary.

F Rates for main voltage Sub-circuits includes for each continuity conductor.

G Rates for main and Sub-main distribution boards includes for all spares as Specified.

H The total cost for the services includes for the detail design, together with the preparation of all necessary calculations and workshop Drawings which, together with all manufacturing data shall be Submitted to the Consultant for approval before purchase, manufacture or installation.

I The cable and conduit to Sub-main circuits are to be enumerated and any vertical or horizontal cable required for connections, loops, etc. at equipment, appliances, control gear or the like are included.

J The supply of manufacturers recommended spares in accordance with the Specification for all Electrical Engineering Installations to be handed to the Engineer.

K The Electrical Items shall be removed from the Contractor scope and executed through a nominated subcontractor whenever Client needs, and the Main Contractor to provide necessary coordination and payment on back to back basis to the nominated subcontractor.

27.0 Provisional Sums

A The Provisional Sums given in this Bill of Quantities will be expended totally, in part, in multiple Nominations or not at all, at the discretion of the Employer and no claim will be considered based on the volume of work carried out. No amount will be paid to Contractor in case the Provisional Sum is deleted from the Contract.

B The Contractor shall include in the BOQ, rates for obtaining quotations, quotation comparison statements,coordination,approval, material Submission, shop Drawings approval, testing, samples, taking delivery, unloading, storing, replacing goods damaged, broken, lost or stolen, waste, fixing in position, Spares until issuance of Defects Liability Certificate, protection after installations and all Overheads and Profit required to provide the final rate which the Contractor must complete and carry to the relative place within the Bill of Quantities.

C Overhead, Profit, Attendance, Assistance, Builder's work for Provisional Sums will be priced as percentage and will be adjusted as per sum expended from the Provisional Sum as Nominations stated in the Bills of Quantities.

D The "Single percentage" quated by the Contractor shall be applicable on PS ans PC adjustment arived at the finalization of the PS and PC items.

E The Employer at his own discretion can make direct Contract with a Sub-Contractor or Supplier for Provisional Sums given in this bill, however the Contractor is entitled to Overheads and Profits for such direct Contracts and must provide necessary supervision, Attendance, Assistance and Builders Work.

F Consequent to the signing of the Contract, if variations to the Provisional sum items or new Provisional sum works are to be performed by the Contractor, the following O.H & Profits, Builders work shall apply.

Overheads and profit	3.0%
Builders Work	3.0%

G SERVICE AUTHORITY AND CONTINGENCY PROVISIONAL SUMS

The Contractor shall include in his 'Single Percentage' for the cost related to the service Authorities and contingencies for all BOQ items as applicable in line with the Tender Conditions and Authority requirements.

H ATTENDANCE AND ASSISTANCE FOR NOMINATED SUB-CONTRACTOR/SUPPLIERS

ii	Rates includes for Attendance and Assistance by the Contactor in respect of work by Nominated Sub- Contractor/Supplier or Government or Public Authority shall include, but not be limited to:
ii	Providing space for the Nominated Sub-Contractors for their own Site facilities (offices, stores, etc.), scaffolding, power, water, hoisting, lifting, etc.
iii	The design co-ordination and necessary liaison related thereto with the Engineer, Sub-Contractor, etc.
iv	Water and power will be provided to the M and E Sub-Contractor for installation, testing and commissioning. The points of drawing power and water will be agreed with the Sub-Contractors.
v	Drainage for equipment and materials of the Sub-Contractors (including Chiller).
vi	Use of general construction plant and temporary works.
vii	The clearing away of all rubbish, waste and debris on a regular basis from collection points on each floor.
viii	The provision of all fuel necessary for the testing and commissioning of the Subcontract works.
ix	The general co-ordination and integration of all Subcontract works into the general Programme.
x	The provision of all temporary access already fixed or placed in position on the site for the use of workmen and the delivery of materials.
xi	The programming of the Subcontract Works and the necessary co-ordination to comply with the Contractor's overall programme.
xii	Supplying full size setting out templates and giving and marking dimensions and taking responsibility for their accuracy.
xiii	Obtaining any necessary security passes, access approvals, identity cards and the like for all Subcontractors' personnel.
xiv	Protective and decorative painting to primary and secondary support system to MEP pipes, etc.
xv	Use of Contractor's administrative arrangements and Use of constructional plant.
xvi	Use of Contractor's facilities, temporary works, including mess-rooms, sanitary accommodation and welfare facilities.
xvii	Provision, installing, dismantling and removal of 'standing' scaffolding (as required by the Sub- Contractors), including the provision, maintenance and removal of any special or high-level scaffolding required.
xviii	Provision of electric power and water for Sub-Contractor's on-site work, and for lighting, including any 3- phase or heavy supplies, requirements for testing and commissioning which may be required.
xix	Unloading all plant and materials, equipment's, and machinery (like Boilers,Chillers etc.) placing in suitable storage areas, housing or lowering to respective floor levels and distributing plant and materials to positions convenient to the nominated Sub-Contractor for executing his work.
xx	Entering into an agreement with the nominated Sub-Contractor based on the conditions laid-down in the Conditions of Contract.
xxi	Ascertaining full details of any work to be executed by other trades in connection with the Sub-Contract works and arranging for such work to be executed at the proper time.
xxii	Allowing use of all temporary means of access already fixed or placed in position on the site for men and materials.
xxiii	Rates shall include for any service required by the Nominated Subcontractor for the relative items in the Bills of Quantities

J <u>Facilities for Direct Works</u>

The Contractor shall take note of the following facilities free of charge to other Contractors appointed by the Employer to carry out direct works not forming part of this Contract and make necessary allowances while quoting the 'Single Percentage'.

a)	Allowing use of scaffolding and all temporary means of access already fixed or placed in position on the site for men and materials.
b)	Unloading all plant and materials, placing in suitable storage areas, housing or lowering to respective floor levels and distributing plant and materials to positions convenient to the Direct Works Contractor for executing his work.
c)	Use of mess-rooms, sanitary accommodation and welfare facilities.
d)	Providing water for the Works.

e) Protecting after installation until taking over of the works by the Employer.

f) Clearing away rubbish on a regular basis.

g) Providing power and lighting for the Works

K Fixing of Goods or Materials Supplied by Specified Suppliers

Rates for fixing goods and materials supplied by the Specified Merchant or Tradesman includes, but not limited to:

a) Quantification, placing of order, opening L.C. (if required).

b) Unloading, storing, distributing and hoisting

c) Arranging for delivery or payment of carriage, where particulars are given.

28.0 Builder's Work

A Builders work in connection will include cutting, chasing, forming and closing openings in walls, floors, beams, ceilings, bulkheads, etc., and making good of the same and the like items. Box outs and frames are also included. Protective and decorative painting is to be included if not included elsewhere. Provision for lifting, storage and scaffolding is to be included in his quoted rate.

B The expression “Builder’s Works” shall mean the ancillary work carried out by the Contractor in connection with the MEP installations (including Other Civil Finishing by Contractor), examples of which are given below.

C The drilling, cutting or leaving of holes or apertures through structural floors, walls, beams, etc. shall be avoided, but where this becomes a necessity, the Contractor must obtain the written approval of the Engineer before work is put in hand.

D The Contractor shall allows for all builder’s work in connection with the installations as included in the following list which it should be noted, is not intended to be exhaustive and can be extended at the discretion of the Engineer.

a) Drilling, cutting or leaving of holes for pipes ducts and the like though walls, floors, partitions, roofs etc. and Subsequently making good / waterproofing where necessary.

b) Cutting and pinning ends of supports for pipes, equipment, appliances, fittings and the like to walls, floors, partitions, soffits, etc. and making good. (e.g. Fixing of MEP items to the structures where weights of the equipment's / Pipes are detrimental to the structural elements).

c) Cutting or leaving mortises, sinking, etc. for holding down bolts, brackets, supports and the like and grouting in.

d) Cutting chases for pipes, conduits and the like in walls, floors, partitions, etc. and Subsequent making good.

e) Cutting and filling around, boring holes through and making good of finishing’s up to pipes, ducts, fans supports, brackets and the like.

f) The construction of concrete, block and / or timber ducts.

g) The formation of ducts within concrete slabs, together with access covers and frames to the approval of the Engineer.

h) The building of timber frames, panels, access panels in walls, ceilings and doors, including ironmongery, to give access to pipes, ducts, equipment and the like including required co-ordination with relevant \ trades, ID.

i) The formation of concrete bases, plinths, etc. for plant and equipment including floating floors as per the Contactor appointed specialist acoustic consultant’s recommendations, isolation pads, inertia bases for Chiller and the like.

j) The building of timber frames for Noise Control grills and duct penetrations.

k) Filling of all Services penetration though fire rated walls, floors shall be filled with fire stop materials as approved by the local authorities / Engineer

k) Painting of exposed pipe work, insulation, and exposed metal supports, etc. where aesthetics are of concern.

m) The waterproofing of penetrations for all external ductwork and pipe work to the Engineer’s approval

n) Making good finishers after second fix installation.

o) Secondary steel framing necessary for support of plant, pipe work, lifts, ductwork and the like (e.g. Steel supports required for fixing of equipment, pipe etc. on steel roofs)

p) Concrete encasement to drainage pipes and fittings below slab on grade and other areas of vehicular traffic as recommended by the pipe manufacturer.

q) Elevator lifting beams, supports, hooks, shaft separation beams, lift pit ladder, m/c room railing, post filling behind lift door jambs and other necessary builders work.

r) The lifting of all plant and equipment into its place, including the lifting of Chiller, air handling units, pumps, cables, water tanks and window cleaning equipment and the like onto the roof (s) or relevant level (s) from ground floor levels close to the building.

s) Surveyor’s assistance for setting out positions of all block works, etc. for fixing of pipe sleeves and cut-outs on floor slabs as required by MEP / other Subcontractors.

t) Excavation and backfilling of external water supply, drainage pipes, and cables service duct trenches etc. to concerned authority approval.

u) The building of meter pits, sumps, manholes, handles, access chambers, F.I.C. and the like.

v) Supply and installation of hot dip galvanized steel frames and chequered plates for cable trenches, services trenches, manhole covers as detailed in Specification / Drawings or B.O.Q.

w) Supply and Laying including Sealing with fire proof material of incoming cable ducts to and from buildings, aluminium works Subject to the Engineer's approval.

x) Any other works which are necessary for the completion and proper functioning of the Installation.

E Preparation of accurate shop Drawings for all builders work requirement including coordination with structural beams and walls.

F Note: The drilling, cutting or leaving of holes or apertures through structural floors, walls, beams, etc. shall be avoided, but where this becomes a necessity, the Contractor must obtain the written approval of the Engineer before work is put in hand.

G Positioning and fixing of sleeves, frames, mark locations for openings required on slabs and wall partitions. For the avoidance of doubts, the sleeves shall be supplied by the MEP Subcontractor.

H Mark accurate opening sizes on ceilings for recessed light fittings, A/C grilles, access panels or other devices.

I Providing the Quantities and Sizes of Access Panels required in the False Ceiling to the Engineer.

J Builders work in connection will include ducts, sleeves, supports, bases, pads and plinths for plant and equipment and the like items. Only vibrator isolators and metallic frames for inertia bases are to be supplied by the M and E Subcontractor.

K Builders work for air-conditioning installation will also include frames and openings in doors, walls or partitions for installation of grills, louvers, etc. and similar items.

L Builders work for electrical, fire alarm and fire detection installation will also include for trenching (for cables) and related items.

M Builders work for drainage, plumbing and fire fighting installation will also include for trenching, excavations, backfilling, manholes, septic tank, soak ways, beds, surrounds, and the like items.

N Builders work for conveyance system, window cleaning equipment and refuse chute systems will also include for steelwork supports, guide rails, shock absorber, brush motors, brush wire ropes and the like items.

O Sealing of service shafts after installation of services with concrete or as specified.

P All civil works related with manholes, sumps, channels, concrete tanks, etc., including benching, GRP (or other specified) lining, etc. Manholes covers and frames and channel gratings and frames will be supplied by the M and E Sub-Contractor.

Q All civil works related with floating floors.

R All civil works associated with DEWA Substation including trenches and transformer bases and all incoming / outgoing ducts and cable manholes.

S Secondary steelwork required for support of services.

T All necessary excavation, bedding, backfilling, etc. required by Local Authorities.

U Protection to work in progress and completed including that of Sub-Contractors' (nominated and other).

V The amount set against any item covers overhead and profit and all costs in connection with placing of orders, letters of credit, bank charges, interest charges and insurance required in connection with the respective Provisional Sum item.

29.0 External Works

A Where external works are analogous to other sections of the work e.g. excavation concrete etc., the clauses elsewhere shall apply equally to this section of the work.

B Base and Sub-base - rates includes for depositing spreading grading rolling compacting all fill in layers. Provide materials and attendance for all sampling and testing.

C Kerbing - Rates includes for all excavation and disposal of surplus material construction of concrete bed and backing supply and laying of precast concrete kerbs either straight or curved, finishing including painting, curing and protecting building in any gratings and frames.

D Paved Areas (Footpaths and Roadways) - Rates includes excavation laying compaction of bedding material supply and laying of paving slabs including all cutting to fit around manhole covers and the like. Rates also includes for forming patterns and designs in the paving stones all as detailed.

30.0 Proprietary Materials

A Where manufacturers' names or proprietary material names are given against certain items in the Bills of Quantities the rates and prices inserted are for those specified materials or other equal materials approved by the Engineer. All proprietary materials shall be installed strictly in accordance with the manufacturer's printed instructions.

31.0 Adjustment Item

A Contractor Prime Cost Adjustment within 14days by changing rate only, rate shall be applicable only for the quantity mentioned in the BOQ, any additional quantity other than variation shall be procured by the Contractor from Supplier at market rate those agreed between Contractor and Supplier.

B SPARES

The Contractor shall provide Spares as per the Tender documents, Authority requiremnents, etc.

32.0 Materials And Workmanship

A Contractors are referred to the Specification formatting part of the Contract documents, together with the notes on all the Contract Drawings for the standard of materials and workmanship to be used in construction.

B Where not elsewhere defined, standards are to be not less than those specified in relevant British Standards and Codes of Practice currently in force.

33.0 Sub-Contractors

A Any Sub Contractor whom the Contractor proposes to employ for the works is Subject to the approval of the Engineer.

B The Contractor should ascertain from Sub Contractors and Suppliers before the work is put in hand particulars of positions in which chases, holes, mortises openings and the like will be required to be formed or left. No claim for the extra costs of cutting away work already built due to the Contractor's failure to ascertain these particulars will be admitted.

C Any Sub-Contractor who has not been approved by the Engineer shall not be engaged in work in connection with the carrying out of the Works.

D The rates includes for the Sub-Contractors working different hours from and extended hours to those worked by the Contractor.

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (All the works/items whether temporary or permanent must comply with DM/other related authorities Operation Guidelines and as per Latest UAE laws/rules and regulations)				
	Access of Site				
A	The Contractor is to make his own arrangements for access to the site and to the Works both for his own use and for the use of sub-contractors and suppliers, Authorities.		Item		
	Limitations of Working Space				
B	The Contractor shall make note that he shall be required to confine his activities within the boundaries of the Site (or whatever are a allocated by the Authorities) including the storage of materials, the positioning of plant and offices and all other equipment needed for the execution of the Contract.		Item		
	Limitations of Working Hours				
C	As per the Condition of Contract		Item		**1,719,888.00**
	Maintenance of existing services on, under or over the site				
D	The Contractor shall be responsible for maintaining and protecting all existing services (if any)		Item		
E	Allow for providing necessary attendance to statutory authorities as may be required for the completion of the works, not otherwise included elsewhere.		Item		
F	Allow for drying of works incomplaince to the Specification		Item		
G	Allow for all measures necessary to control noise pollution.		Item		
	Site Administration				
H	The Contractor shall provide sufficient staff and equipment to perform the administrative duties in executing the Contract		Item		
	Carried to Collection				**1,719,888.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Site Supervision				
A	The whole of the Works shall be under full time supervision of the Contractor		Item		
	Security				
B	The Contractor shall protect the Site and works from unauthorized entry of persons etc, fire and shall control his labour force to prevent nuisance or trespass within the site and on the adjacent properties.		Item		
	Safety, Health and Welfare of Workpeople				
C	The Contractor, and all persons employed by him on Site shall comply with all Acts, Orders, Laws and regulations concerning the safety, health or welfare of work people		Item		
D	The Contractor shall provide a Health and Safety personnel in compliance to the requirements of DM,etc.		Item		
	Transport of Work people				
E	The Contractor shall make all necessary arrangements for the transport of his own, and his sub-contractor's employees for the duration of the Works		Item		Included
F	Contractor to provide vehicle for the sole use of the Engineer along with driver and fuel for the purpose for document submission and other services minimum of 3 times a week		Item		
	Constructional Plant				
	The Contractor shall allow for all necessary constructional plant including:				
	Small plant and tools for all kinds of activities				
G	Establishment		Item		
H	Maintenance		Item		
J	Removal and making good site		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Scaffolding				
	Scaffolding (Includes establishment and Maintenance of all kind of scaffolding required for the Project) Contractor to provide breakup for the same in the day schedule during the submission of Tender				
A	Establishment		Item		
B	Operation and Maintenance		Item		
C	Removal and making good site		Item		
	Cranes				
	Cranes and lifting plant (Includes but not limited to Material hoist, mobile crane for lifting and placing of equipment, etc.) Contractor to provide breakup for the same in the day schedule during the submission of Tender				
D	Establishment		Item		
E	Operation and Maintenance		Item		
F	Removal and making good site		Item		Included
	Site Transport				
	The Contractor is required to adopt pass entry system for all the vehicles entering the site.				
G	Establishment		Item		
H	Operation and Maintenance		Item		
J	Removal and making good site		Item		
	Plant required for specific trades but not limited to block work. Plastering, chasing, Formworks, rebar works, etc.				
K	Establishment		Item		
L	Operation and Maintenance		Item		
M	Removal and making good site		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Employer/Engineer's facilities				
	The Contractor shall allow for the following Employer/Engineer's facilities				
	Provide temporary office accommodation for the exclusive use of the Employer, Engineer and his representatives including the followings as specified:-				
	One meeting room; fully furnished to accommodate 12 people				
A	Establishment		Item		
B	Maintenance		Item		
C	Removal & making good the site		Item		
	One Client office; fully furnished and equipped				
D	Establishment		Item		
E	Maintenance		Item		
F	Removal & making good the site		Item		
	One Engineer office; fully furnished and equipped				
G	Establishment		Item		
H	Maintenance		Item		Included
J	Removal & making good the site		Item		
	One store room; fully shelved lockable **One sample room; fully shelved lockable**				
K	Establishment		Item		
L	Maintenance		Item		
M	Removal & making good the site		Item		
	Provide Telephones, computers, facsimile and internet for the exclusive use of the Employer, Engineer and his representatives				
N	Establishment		Item		
P	Operation and Maintenance		Item		
Q	Removal & making good the site		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
A	The Contractor shall allow for providing a saloon car with driver, fuel, salik, and maintanance, for the Engineer/Employer		Item		
B	Safety shoes, protectiv eeye glasses, helmets, digital camera, and protective clothings, as required by the Engineer,Employer and other Employer/Engineer representatives.		Item		
C	The Contractor shall allow for INAUXS software for documents controling system for the project and software to be provided for the Engineer/Employer use		Item		
	Equipment for Engineer's use				
D	Allow for instruments and testing equipment for the Engineer's use during the inspection, snagging and testing period.		Item		
E	Allow for service of an experienced surveyor and chairman for the Engineer's use to assit in surveying and measuring operations as and when required by the Engineer.		Item		
	Attendance of staff				
F	Provide a full time office attendant for the sole use of the Engineer and his representatives		Item		
G	Employ fulltime computer literate Document Controller exclusive for the Engineer's office		Item		Included
H	Provide daily clearing attendance		Item		
J	CCTV camera has to be provided to monitor the site protection/progress and it has to be installed at site and connected with Engineer's office as well as in DM/DCD system in future		Item		
	Other facilities **First Aid** Provide First Aid room with all the required facilities as per the authority requirement				
K	Establishment		Item		
L	Maintenance		Item		
M	Removal & making good the site		Item		
	Supply, install and Maintain project **sign boards** with lighting and Fencing (Including Project Logos 2mx2m In English and Arabic on every third panel of the fencing) as required as per the authority's latest requirement				
N	Establishment		Item		
P	Maintenance		Item		
Q	Removal and making good site		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Progress and Final Photographs				
A	Supply and hand over set of progress photographs at weekly and monthly intervals including final photographs as specified		Item		
	Progress Reports				
B	Provide daily, weekly and monthly progress reports as specified in the condition of Contract		Item		
	Contractor's Facilities The Contractor shall allow for the following Contractor's facilities				
	Provide accommodation and buildings, including offices, compounds, stores, mess rooms, latrine facilities, laboratories, storage shade and the like as specified				
C	Establishment		Item		
D	Maintenance		Item		
E	Removal and making good site		Item		
	Labour Camp Labour camp is not permitted within the site are or within Contractor's site compound. Watchman and security staff only be accommodated subject to the approval of the Engineer				Included
F	Establishment		Item		
G	Maintenance		Item		
H	Removal and making good site		Item		
J	Contractor is responsible for taking the temporary plot/land from DM or other plot owners in the vicinity for their setup of the offices,workshop,labour rest areas,stores,laboratory etc. All the cost/rent to be paid by the contractor until the handover of the project.		Item		
K	Allow for setting of the Furnished Site Laboratory as per the DM guidelines		Item		
	Water Tankers for the works				
L	The Contractor shall provide tankers for supplying clean water for the Works		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Contractor's Facilities (Cont'd)				
	Lighting and Generator for the works				
	The Contractor shall supply lighting and power generators for the works				
A	Establishment - Generator		Item		
B	Operation and Maintenance - Generator		Item		
C	Removal and making good site - Generator		Item		
D	Establishment - Lighting for all the stages of the Project		Item		
E	Operation and Maintenance - Lighting		Item		
F	Removal and making good site - Lighting		Item		
	Temporary Works				
	Traffic Diversion				
G	Provide all temporary diversions of vehicular and pedestrian traffic		Item		Included
H	Provide all temporary works, traffic control signals, signs, marking and lighting required throughout the site		Item		
J	Co-ordination with service authorities		Item		
	Temporary Road				
	Provide temporary roads, including hard standings and crossings				
K	Establishment		Item		
L	Maintenance		Item		
M	Removal and making good site		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Sundry items				
	The Contractor shall allow for all necessary sundry items, including:				
A	The Contractor shall remove rubbish at regular intervals, provide protective casings and coverings and clean the works at completion		Item		
B	The Contractor shall protect the works from inclement weather		Item		
C	The Contractor shall allow for testing of works in accordance with specification.		Item		
D	The contractor shall provide the Engineer and product data sample of goods and materials as specified		Item		
E	The Contractor shall provide shop drawings as specif		Item		
F	The Contractor shall provide mock-ups as specified		Item		Included
G	The Contractor shall prepare and provide As-built drawings and O&M manuals during the course of work and at project completion in accordance with Authority regulations.		Item		
H	Quality control procedures		Item		
J	As soon as the Contract has been signed, the Contractor shall check and record the existing ground and / or made up levels.Permanent datum point must be established during this operation to the approval of the Engineer		Item		
K	Contractor to allow for authority fees required for the drawing revisions during the construction period from the DM/EHS/DCD & other authorities		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	Condition of Contract				
	PERFORMANCE SECURITY/INSURANCE				
	Performance Security				
A	Performance Security in accordance with Conditions of Contract,		Item		
	Insurances				
B	For the Works in accordance with Conditions of Contract.		Item		
C	Contractor's All Risk Policy Insurance in accordance with Conditions of Contract.		Item		
D	Workman Compensation Insurance in accordance with Conditions of Contract.		Item		
	Conditions of Contract				Included
E	The Contractor to list and price for all costs associated with compliance with the Conditions of Contract and not covered elsewhere (details to be provided) 1 2		Item		
	Specification				
F	The Contractor to allow for all cost associated with compliance with the specifications and not covered elsewhere (details to be provided) 1 2		Item		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. GEN.REQ			BILL NO:01
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 01- GENERAL REQUIREMENTS (Cont'd)				
	COLLECTION				
	From Page 01/01				1,719,888.00
	From Page 01/02				Included
	From Page 01/03				Included
	From Page 01/04				Included
	From Page 01/05				Included
	From Page 01/06				Included
	From Page 01/07				Included
	From Page 01/08				Included
	From Page 01/09				Included
	BILL NO. 01-GENERAL REQUIREMENTSCARRIED TO GENERAL SUMMARY				**1,719,888.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SITE WORKS			BILL NO:02
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 02 SITE WORK The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.				
	Trial pits and trenches				
A	Excavate trial pits and trenches by hand as specified and as necessary to locate existing services within the plot area	1	Item	7,162.00	7,162.00
B	Ditto, but outside and adjacent to the plot area including backfilling and making good upon completion as specified (if applicable)	1	Item	7,162.00	7,162.00
	Site Preparation and Clearance				
C	Allow for the levelling, removal and disposal off-site all vegetation and loose materials which was not cleared by the Enabling Works Contractor including but not limited to undergrowth bushes, shrubs, debris, plants and any other organic, etc.	1	Item	17,905.00	17,905.00
	Protection of Existing Roads and Structures				
D	Protection of existing roads and adjacent building structures, and making good of damaged areas.	1	Item	10,743.00	10,743.00
	Earthworks Generally				
	Excavation				
	The Contractor to refer to the Soil Test Report				
E	Excavation to receive foundation formation level including lift area/sump pit/water tank and other services, required chamfering etc., as mentioned in the particular specification, soil report and as per the site condition. Excavated surface should be compacted to not less than 98% of maximum dry density, as determined from the modified Proctor test. Note: when excavating to foundation level, care should be taken not to disturb strata underlying formation level otherwise settlements in excess of those quoted above could occur.	2270	m^3	18.00	40,860.00
	Carried to Collection				**83,832.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SITE WORKS			BILL NO:02
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 02 SITE WORK (Cont'd)				
	Backfilling				
	The Contractor to refer to the Soil Test Report Back fill with two layer of engineering fill material not more than (200mm thick) each layer shall be thoroughly compacted to not less than 95% of maximum dry density (MDD) as determined by the modified proctor test. At least four plate load test shall be performed on the final compacted layer to confirm the bearing pressure.				
A	Back fill with Approved granular material/Engineer Fill	522	m^3	18.00	9,396.00
	Disposal				
B	Remove surplus unsuitable excavated material off site to approved tip to an approved location as per DM requirement all in accordance with Engineer and appropriate authorities.	1,748	m^3	18.00	31,464.00
	Carried to Collection				**40,860.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SITE WORKS			BILL NO:02
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 02 SITE WORK (Cont'd)				
	Anti-termite Treatment				
	Supply and laying of Anti-termite treatment to horizontal and vertical surfaces to form chemical barrier, including all necessary related works and guarantees, all in accordance with the drawings and specifications				
A	To horizontal surfaces	1,375	m^2	5.00	6,875.00
B	To All Around the Peripheral of Buildings	156	Lm	6.00	936.00
	Interlock Paving				
	Complete Interlock Tiles Paving shall be carried out by the Contractor as per the Drawings by 60mm and 80mm thick Interlocking Blocks in provide from approved supplier by Dubai Municipality shape and pattern as per approval and shall be laid on compacted subkha to 95% M.D.D, on 200mm road base and selected aggregated fine. Interlock should be approved by DCL and comply with latest green building regulation. All in accordance with the drawings and specification, subject to Engineer/Employer's Approval.				
	Outside Plot limits				
C	60mm thick interlock out side plot limits	90	m^2	69.00	6,210.00
D	80mm thick interlock out side plot limits	45	m^2	76.00	3,420.00
E	Kerbstone out side plot limits	1	Item	2,865.00	2,865.00
	Carried to Collection				**20,306.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SITE WORKS			BILL NO:02
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 02 SITE WORK (Cont'd)				
	COLLECTION				
	Page From 02/01				83,832.00
	Page From 02/02				40,860.00
	Page From 02/03				20,306.00
	BILL NO. 02 - SITE WORK CARRIED TO GENERAL SUMMARY				**144,998.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONCRETE			BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. All concrete used to be green concrete as per the latest DM/ Authority regulation. **SUB STRUCTURE** **Plain concrete; compressive / characteristics strength of 20N/mm² at 28 days; all in accordance with the drawings and specifications with required formwork, removal of formwork, supports, curing etc. Complete.**				
A	PCC blinding Concrete	152	m^3	430.00	65,360.00
	Reinforced in situ concrete; compressive / characteristics strength of 50N/mm² minimum cement content 400 kg/m3, maximum water cement ratio 0.40 at 28 days With 65% GGBS; including high yield steel bar reinforcement with yield stress of 500N/mm², Shuttering, de-shuttering, supports, curing, all in accordance with the drawings, specifications, green building regulation, general requirements and as per authority approval.				
B	Raft	1,727	m^3	984.00	1,699,368.00
C	Footing Beams	16	m^3	1,133.00	18,128.00
	Carried to Collection				**1,782,856.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONCRETE			BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE Cont'd				
	Sub Structure Cont'd				
	Reinforced in situ concrete; compressive / characteristics strength of 50N/mm² minimum cement content 380 kg/m3, maximum water cement ratio 0.35 at 28 days With 65% GGBS; including high yield steel bar reinforcement with yield stress of 500N/mm², Shuttering, de-shuttering, supports, curing, all in accordance with the drawings, specifications, green building regulation, general requirements and as per authority approval.				
A	RCC Columns	10	m^3	1,395.00	13,950.00
B	RCC Core Wall	23	m^3	1,395.00	32,085.00
	Reinforced in situ concrete; compressive / characteristics strength of 45N/mm² minimum cement content 380 kg/m3, maximum water cement ratio 0.35 at 28 days With 65% GGBS; including high yield steel bar reinforcement with yield stress of 500N/mm², Shuttering, de-shuttering, supports, curing, all in accordance with the drawings, specifications, green building regulation, general requirements and as per authority approval.				
C	Beams	57	m^3	1,331.00	75,867.00
D	RCC Solid Slab	163	m^3	1,331.00	216,953.00
E	RCC Up stands/ Down stand	1	Item	3,581.00	3,581.00
	Grade Slab				
F	Grade Slab with BRC mesh	90	m^3	681.00	61,290.00
	Carried to Collection				**403,726.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONCRETE			BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE Cont'd **Sub Structure Cont'd** **Sundries** **SUMP PIT,MANHOLES,FIC**				
A	Construction of sump pit, Manholes, FIC, etc. including all related civil works such as excavation,levelling,compaction,constructing pit with heavy duty cover and back filling all in accordance with the drawing and specification.	1	Item	10,743.00	10,743.00
B	Light weight concrete/Engineer Fill as per drawings and in the areas wherever level differences applicable.	1	Item	7,162.00	7,162.00
C	Allow for a Flexcell sheet with backing rod and sealant or the like as required in order to make the work complete; all in accordance with the drawings and specifications and standard construction requirement.	1	Item	3,581.00	3,581.00
D	Allow for a control joint, isolation joints, construction joints, Expansion joint as shown in the drawing, or the like as required in order to make the work complete; all in accordance with the drawings and specifications and standard construction requirement.	1	Item	7,162.00	7,162.00
E	For the construction joint in concrete provide PVC and swellable bar as per specialist/manufacturers specification and applied as per manufacturer's method statement.	1	Item	3,581.00	3,581.00
	Carried to Collection				**32,229.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONCRETE			BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE Cont'd				
	SUPER STRUCTURE				
	Reinforced in situ concrete; compressive / characteristics strength of 60N/mm² minimum cement content 380 kg/m3, minimum water cement ratio 0.35 at 28 days; with 65% GGBS, including high yield steel bar reinforcement with yield stress of 500N/mm², Shuttering, de shuttering, supports, curing, all in accordance with the drawings, specifications, green building regulation, general requirements and as per authority approval				
	The Contractor shall take note of the decorative finishes in the slabs and other concrete elements and include in the prices for the same.				
A	RCC Columns	356	m^3	1,395.00	496,620.00
B	RCC Core Wall	807	m^3	1,395.00	1,125,765.00
C	RCC Water Tank Walls with Jacketing / Pump room Wall	83	m^3	1,395.00	115,785.00
	Reinforced in situ concrete; compressive / characteristics strength of 45N/mm² minimum cement content 380 kg/m3, maximum water cement ratio 0.35 at 28 days; with 65% GGBS, all in accordance with the drawings and specifications including high yield steel bar reinforcement with yield stress of 500N/mm², Shuttering, de shuttering, supports, curing, all in accordance with the drawings, specifications, green building regulation, general requirements and as per authority approval				
D	Beams	110	m^3	1,331.00	146,410.00
E	Solid Slab	171	m^3	1,331.00	227,601.00
F	PT Slab	2,460	m^3	1,316.00	3,237,360.00
G	Swimming pool Walls	23	m^3	1,395.00	32,085.00
H	Staircase flights, steps and landing, other steps	80	m^3	1,395.00	111,600.00
J	Solid Slab-Shaft Cover Slab	1	item	7,162.00	7,162.00
	Carried to Collection				**5,500,388.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONCRETE			BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE Cont'd **Super Structure Cont'd** **POST-TENSIONING WORKS** **Complete design, detailing, supply, and installation of post-tensioning works to include but not limited to compliance with construction standards of all post-tensioned elements, full supervision, supply and delivery of ducts, tendons, anchorages and equipment related to post-tensioning at the site, placement and fixing of all ducting including chairs, installation and stressing of tendons, grouting of ducts, all necessary testing, remedial works of any defects, etc. complete as per the project requirements.**				
A	Post Tensioning Work	8,150	m^2		Included in PT Slab
	Reinforced in situ concrete; compressive / characteristics strength of 40N/mm² minimum cement content 380 kg/m3, maximum water cement ratio 0.35 at 28 days; with 65% GGBS including high yield steel bar reinforcement with yield stress of 500N/mm², Shuttering, de shuttering, supports, curing, all in accordance with the drawings, specifications, green building regulation, general requirements and as per authority approval				
B	RCC Parapet	56	m^3	1,309.00	73,304.00
C	RCC Upstand/ Planter walls/ Drop walls/ Coping, as per drawings, specifications and Engineer approval.	1	Item	21,486.00	21,486.00
D	Reinforced in-situ Concrete to support the architectural elements not limited to stub columns, Nib columns, short column, projections, plinths, etc.	1	Item	14,324.00	14,324.00
	Carried to Collection				**109,114.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONCRETE			BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE Cont'd **<u>Sundries</u>** **Reinforced in situ concrete, compressive / characteristic strength of 50N/mm² at 28 days including High yield steel bar reinforcement with yield stress of 460N/mm² and Shuttering; all in accordance with the drawings and specifications**				
A	Stiffener columns (200x200 every 3 meter where required) and dummy columns or beams for blocks (if exceeding 14sqm); including concrete, formwork & rebar as per the requirement and as per Engineer approval.	1	Item	18,621.00	18,621.00
B	Lintels, Flat and Curved Arches including concrete, formwork and rebar required as per drawings and Specifications.	1	Item	17,905.00	17,905.00
C	Reinforced concrete foundation/ upstands for all the required services including AC/Chiller, tanks, Rcc works for Pergola, cabana with concrete, formwork, rebar and Cork filling as per the requirement and as per Engineer approval. Note: All Machinery foundation shall be Vibration isolation as per Specialist design	1	Item	14,324.00	14,324.00
D	Allow for a control joint, isolation joints, construction joints, as shown in the drawing, or the like as required in order to make the work complete; all in accordance with the drawings and specifications and standard construction requirement.	1	Item	7,162.00	7,162.00
	Carried to Collection				**58,012.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C			B.O.Q. CONCRETE		BILL NO:03
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 03 - CONCRETE Cont'd				
	COLLECTION				
	Page From 03/01				1,782,856.00
	Page From 03/02				403,726.00
	Page From 03/03				32,229.00
	Page From 03/04				5,500,388.00
	Page From 03/05				109,114.00
	Page From 03/06				58,012.00
	BILL NO. 03 - CONCRETE WORK CARRIED TO GENERAL SUMMARY				**7,886,325.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MASONRY WORKS			BILL NO:04
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 04 - MASONRY The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. The Contractor must be comply the DM green building requirement and submit the required test report. All Blocks used be as per the Green Building requirement with the required U-values as per the design **SUB STRUCTURE** Note: Supply and fixing of **Solid** SRC block masonry work bedded, jointed and pointed in cement and sand mortar (1:4) including all crack control joints, anchors, metal laths, control joints, wall ties, stiffener beams and columns, reinforcement, formworks,etc., complete all in accordance with the drawings, specification and authority approval. Location: Below Ground Level				
A	200mm thick walls	357	m^2	108.00	38,556.00
	SUPER STRUCTURE Supply and fixing of light weight **Solid** block masonry work bedded, jointed and pointed in cement and sand mortar (1:4) including all crack control joints, anchors, metal laths, control joints, wall ties, stiffener beams and columns, reinforcement, formworks,etc., complete all in accordance with the drawings, specification and authority approval. Location: Shaft, OTS, etc.,				
B	100mm thick walls	1,298	m^2	101.00	131,098.00
C	200mm thick walls	1,624	m^2	108.00	175,392.00
	Carried to Collection				**345,046.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MASONRY WORKS			BILL NO:04
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 04 - MASONRY (Cont'd)				
	SUPER STRUCTURE				
	Light Weight Thermal Insulated Block Work - External Walls				
	Light weight thermal insulated blockwork Insulated concrete external blockwork bedded, jointed and pointed in cement and sand mortar (1:4) including all crack control joints, anchors, metal laths, control joints, wall ties, hold fastener, stiffener beams and columns, reinforcement, formworks, mesh, etc. (all in SS), complete, all in accordance with the drawings, standard specification provided by the supplier. U- Values to be matched with the approved heat load calculation and as per authority/green building requirement.				
A	200 mm thick	390	m^2	119.00	46,410.00
	Internal Block Work				
	Supply and fixing of All internal blocks of thickness 300mm, 250mm, 200mm, 150mm & 100mm shall be light weight hollow concrete blocks (as per Design/Authority requirement). First course of block work should be made of solid Concrete block and walls where plumbing/electrical services to be carried out shall be of solid concrete blocks as per Engineer approval.				
B	100 mm thick	2,524	m^2	94.00	237,256.00
C	200 mm thick	3,743	m^2	101.00	378,043.00
	Carried to Collection				**661,709.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MASONRY WORKS			BILL NO:04
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 04 - MASONRY (Cont'd)				
	Sundries				
A	Allow for providing damp proof course to be used under all masonry and partition at basement, ground, first and Roof floor level by providing 2 layers of 4mm bituminous impregnated water proofing felt weighing 4 kg/m2 minimum or as per the specialist manufacturers recommendations.	1	Item	17,905.00	17,905.00
	Carried to Collection				**17,905.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MASONRY WORKS			BILL NO:04
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 04 - MASONRY (Cont'd)				
	COLLECTION				
	Page From 04/01				345,046.00
	Page From 04/02				661,709.00
	Page From 04/03				17,905.00
	BILL NO. 04 - MASONRY CARRIED TO GENERAL SUMMARY				**1,024,660.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. METAL WORKS			BILL NO:05
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 05 - METAL WORKS The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. All works shall be as per the drawing , specification, Fire rating as per DCD regulations **Canopy with Structural Steel Works at Roof and upper roof level**				
A	Design, supply and installation of Canopy with required structural steel works, supporting, framing, fixtures, accessories as per the specialist Subcontractor, drawings, specifications and Engineer's approval		m^2		Refer to P.Sum Bill
	Staircase Handrail				
B	Supply and fix Powder coated galvanised steel staircase **Floor mounted** handrail as per drawings, specification & Authority requirement, material & colour subject to Engineer's approval.	177	Lm	638.00	112,926.00
C	Supply and fix Powder coated galvanised steel staircase **Wall mounted** handrail as per drawings, specification & Authority requirement, material & colour subject to Engineer's approval.	168	Lm	362.00	60,816.00
	Ramp Handrail				
D	Design, Supply and Installation of Ramp Handrail **Floor mounted/Wall Mounted** handrail as per drawings, specification and to Engineer's approval.	22	Lm	638.00	14,036.00
	Carried to Collection				**187,778.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. METAL WORKS			BILL NO:05
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 05 - METAL WORKS Cont'd				
	Drain Grating **Location at Driveway Ramps**				
A	Supply and install 300mm wide drain grating with heavy duty cast iron cover at ramps as per specification / specialists detail to Engineer's approval.	1	Item	8,498.00	8,498.00
	Galvanized Steel Grating at Trenches				
B	Supply and install Galvanized steel painted chequered plate over trenches in substation, LV room as per DEWA drawings & subject to Engineer's Approval.	1	Item	25,493.00	25,493.00
	Steel Platform (fire rated) for shafts				
C	Supply and install Steel platform for shafts with complete fittings & necessary paint coatings;in accordance with Authority requirements, drawings, specification / specialists detail to Engineer's approval.	1	item	50,985.00	50,985.00
	Access Ladder to Water Tank				
D	Supply and install of GRP coated steel ladder internally of the water tank; includes vertical post and grab bar welded to baseplate with anchor bolt; steel pipe welded to vertical post; and all as per drawings to Engineer's approval.	4	No	2,975.00	11,900.00
	Steel Ladder at lift pit				
E	Supply and install Galvanised Steel ladder complete; as per specification / specialists detail to Engineer's approval.	2	No	1,275.00	2,550.00
	Carried to Collection				**99,426.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. METAL WORKS			BILL NO:05
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 05 - METAL WORKS Cont'd				
	Access Hatch to Water tank				
A	Access hatch to water tank with hinges & all accessories as specified and as shown on drawings to Engineer's approval.	4	No	2,975.00	11,900.00
	Access cover to sump pit				
B	GI Access cover to tank; with concealed hinges, to specialist's detail and Engineer's approval.	1	Item	2,550.00	2,550.00
	Protection for MEP Services				
C	Supply & Installation of Protection for MEP services at parking floors as per the drawings, specifications, Authority requirement, Engineer's approvals	1	Item	25,493.00	25,493.00
	Metal Screen Partition at Roof Level for MEP Services				
D	Supply and installation of metal screen partition with access doors for MEP area at roof floor, as per drawing, specification / specialists detail, Authority requirement and to Engineer's approval.	95	Lm	765.00	72,675.00
	Metal Fencing at LPG tank				
E	Supply and installation of metal fencing around LGP tank in roof floor, with necessary door's as per drawing, specification / specialists detail, Authority requirement and to Engineer's approval.	1	Item	29,742.00	29,742.00
	Carried to Collection				**142,360.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. METAL WORKS			BILL NO:05
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 05 - METAL WORKS Cont'd				
	COLLECTION				
	Page From 05/01				187,778.00
	Page From 05/02				99,426.00
	Page From 05/03				142,360.00
	BILL NO. 05 METAL WORKS CARRIED TO GENERAL SUMMARY				**429,564.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. WOOD & PLASTICS			BILL NO:06
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 06 - WOOD AND PLASTICS The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. All materials used to be as per the Authority/ Green Building requirement/EHS requirement. **<u>Wardrobes</u>** Supply and installation of wardrobes CARCASS: 18mm thick MDF board with face of Melamine finish with pvc edges, finish to match doors.DOORS:18mm MDF board with face of pvc laminated finish including matching lipping to all exposed edges, internal arrangements shall be as indicated in drawings.BACK BOARD:6 mm thick powder coated hard board CROSS BRACING:MDF 18 mm thick, 100 mm height back facia on full length of wardrobes HANDLES: long type stainless steel from "European origin" HINGES:110°&170° opening, with 3-way millimetric adjustment."salici, blum"/approved equivalent HANGING ROD:oval shape chrome finish with chrome finish base support ARCHITRAVES:MDF 18 mm thick, 100 mm height back facia on full length of wardrobes MIRRORS:6 mm thick with polished edge beveled mirror to be fixed on front side of doors. 1 no mirror per wardrobes has to be provided LED: Lights as per approved Design as per approved Design.all in accordance with drawings and specifications & as per Engineer approval.				
A	Wardrobes **(PC Supply and installation Rate of AED 1,800.00/Lm)**	120	Lm	1,980.00	237,600.00
	Carried to Collection				**237,600.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. WOOD & PLASTICS			BILL NO:06
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 06 - WOOD AND PLASTICS (Cont'd)				
	Kitchen Cabinet Supply and install of Modular Kitchen cabinet: Laminate finish to 18nm thick MDF shutter with 3mm thick PVC lipping all around finish as per Engineer's approval. Internal construction to be white melamine finish, Snap on skirtings with laminate finish to match shutter finish and polished Stone top as/details, 100mm High marble backsplash. Wall Cabinet as laminate finish to cupboard door with concealed hinges including bottle trap and cooker hood, sink with mixer, hood, LED lights, ironmongery, washing machine cabinet and shelves and etc. as shown on drawing, specification to engineer's approval.				
A	Base Unit (PC Supply and installation Rate of AED **1,600.00**/Lm)	165	Lm	1,760.00	290,400.00
B	Wall Unit (PC Supply and installation Rate of AED **650.00**/Lm)	243	Lm	715.00	173,745.00
	Vanity Counter Supply and installation of Vanity counters including 30mm thick marble/granite countertop, with necessary supports, minimum 600mm wide with minimum 100mm back splash, 200mm eave fascia on all exposed sides, to be installed on galvanised iron angle frame and complete finishing as shown on drawing and specified to engineer's approval.(Price shall include countertop marble/granite, nosing, locks, handle, necessary fixing accessories etc.)				
D	Supply and installation of Vanity counter with counter top, back splash, facia, etc, (except mixer) complete. **(PC Supply and installation Rate of AED 1,300.00/LM)**	76	Lm	1,430.00	108,680.00
	Carried to Collection				**572,825.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. WOOD & PLASTICS			BILL NO:06
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 06 - WOOD AND PLASTICS (Cont'd) **<u>Reception Counter:</u>**				
A	Design, Supply & installation of Reception Counter desk with necessary finishing as per drawings, Specification and subject to Engineer Approval.		Item		Refer to P.Sum Bill
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. WOOD & PLASTICS			BILL NO:06
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 06 - WOOD AND PLASTICS (Cont'd)				
	COLLECTION				
	Page From 06/01				237,600.00
	Page From 06/02				572,825.00
	Page From 06/03				-
	BILL NO. 06 WOOD & PLASTICS CARRIED TO GENERAL SUMMARY				**810,425.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. THERMAL & MOISTURE PROTECTION			BILL NO:07
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 07- THERMAL AND MOISTURE PROTECTION				
	The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.				
	The Contractor must be comply the DM/ Green building requirement and submit the required test report.				
	Note: The contractor is required to ensure the roofing and other waterproofing works in favor of the Employer inline with the Tender documents against any defects of leakages. Clean the entire surface and remove all debris from the roof structure to receive protection system as follow				
	SUB STRUCTURE WATERPROOFING				
	50mm thick protection screeds to be provided to protect the membrane as per the consultant approval.				
A	Horizontally	1,375	m^2	34.00	46,750.00
	Polythene sheet				
B	1000 Gauge polythene sheet above the well compacted earth or on well compacted road base with the proper lapping of 300mm.	1,375	m2	6.00	8,250.00
	2 coats of rubberized bitumen (Lavatex 100) or equivalent from a supplier approved by the Engineer-to concrete surfaces in substructure, complete as shown on drawing and as specified				
C	Horizontally	1,192	m^2	22.00	26,224.00
D	Vertically	120	m^2	22.00	2,640.00
	Two layers of 4mm thick SBS modified bituminous membrane, reinforced with 180gr/m^2 non-oven polyester mat and overlap 200mm and end of 300mm, complete as shown in drawing and as specified.				
E	Horizontally	1,375	m^2	77.00	105,875.00
F	Vertically	358	m^2	77.00	27,566.00
	Carried to Collection				**217,305.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. THERMAL & MOISTURE PROTECTION			BILL NO:07
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	THERMAL AND MOISTURE PROTECTION (Cont'd)				
	One Layer of 6mm thick bituminous protection board to be provide on all the vertical water proofing with the minimum lapping of 200 mm in joint and 300 at the end. Complete as specified				
A	Vertically	120	m^2	39.00	4,680.00
	GRP Lining-Water tank/manholes/sump pits-Internals				
B	2 layer of **3mm thick** GRP lining to be done inside water tank. Total thickness shall be 6 mm and to be done as per consultant approval and as per supplier specifications on wall, soffit and base.	496	m^2	119.00	59,024.00
	Roof Waterproofing				
	Roof & Top floor Combo roof system as per the latest municipality regulations and green building requirement. Contractor to full fill the requirement of U-values/SRI values etc.				
C	Roof and upper roof floor	546	m^2	136.00	74,256.00
	Exposed Area Waterproofing:				
	Should have two coats of rubberized bitumen + two layers of 4mm thick SBS modified bituminous membrane waterproofing reinforced with 180 g/Sqm non-woven polyester mat and overlap of 200mm and end laps 300mm +50mm protection screed.				
D	**Location:** Swimming pool deck and Other open to sky spaces, etc.,all in accordance with as per drawings,and drawings and as per Engineer/Employer Approval.	617	m^2	107.00	66,019.00
	Carried to Collection				**203,979.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. THERMAL & MOISTURE PROTECTION			BILL NO:07
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	THERMAL AND MOISTURE PROTECTION (Cont'd)				
	Wet Area Waterproofing				
	Supply & Apply 2 coats of High build elastomeric rubberized liquid waterproofing membranes per consultant approval with non-skid ceramic tile over 50mm cement sand bed; all in accordance with the supplier specifications. Horizontal and up to 200mm vertical including pipe termination, vertically for walls upto full height around the bath tub and ; all in accordance with specifications (Finishing excluded)				
A	To All Specified Areas-Floors	1,536	m²	56.00	86,016.00
B	To All Specified Areas-Walls	2,300	Lm	26.00	59,800.00
C	To Bathtub/shower walls	1	Item	29,997.00	29,997.00
	Water Stopper				
D	Water Stopper	108	m	73.00	7,884.00
	Lift Pit				
E	Anti-dust Water proofing for Lift Pits & Walls inaccoradnce to Authority requirement & Subject to Engineer's Approval.	1	Item	5,099.00	5,099.00
	Vapor Barier				
F	Supply and apply of Cementitious damp proof coating behind external cladding/glazing as per drawings, specifications and Authority regulations	1	Item	33,990.00	33,990.00
	Carried to Collection				**222,786.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. THERMAL & MOISTURE PROTECTION			BILL NO:07
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	THERMAL AND MOISTURE PROTECTION (Cont'd)				
	Fire Stopping				
A	Fire Stop/ Fire sealant for civil works as per the Authority requirement,	1	Item	29,742.00	29,742.00
B	Fire Stop/ Fire sealant for MEP services as per the authorities Note: Penetrations of duct, conduit, tubing, cable and pipe through floors and through fire-resistance rated walls, partitions, and ceiling-floor assemblies. Penetrations of vertical shafts such as pipe chases, elevator shafts, and utility chutes. Gaps at the intersection of floor slabs and Blockwork, curtain walls, including inside of hollow curtain walls at the floor slab. Gaps at perimeter of fire-resistance rated walls and partitions, such as between the top of the walls and the bottom of roof decks. Construction joints in floors and fire rated walls and partitions. Other locations where required to maintain fire resistance rating of the construction.	1	Item	21,244.00	21,244.00
	Guarantee				
C	The Contractor is required to insure the roofing and other waterproofing works in favor of the Employer for a period of 15 years against any defects or leakages from the date of Taking Over Certificate unless noted otherwise.	1	Item		Included
	Carried to Collection				**50,986.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. THERMAL & MOISTURE PROTECTION			BILL NO:07
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 07-THERMAL AND MOISTURE PROTECTION				
	COLLECTION				
	Page From 07/01				217,305.00
	Page From 07/02				203,979.00
	Page From 07/03				222,786.00
	Page From 07/04				50,986.00
	BILL NO. 07 - THERMAL & MOISTURE PROTECTION CARRIED TO GENERAL SUMMARY				**695,056.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 - DOORS AND WINDOWS The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. Any discrepancies in the Architectural/Structural drawings are to be brought to the notice of the Engineer. The bidder shall consider the external finish which is Marble, plaster etc. with special decorative moldings around the Jambs and the installation to be precise accordingly. All door opening shall comply with Dubai Building Code (DBC) **Wooden Doors-Fire rated** Supply and fix of Fire Rated timber doors including frame, shutter, slotting for hinges, architrave factory finished; all doors shall be as specified as per schedule and drawing to Engineer's approval. Fire rating of doors are to be considered as per schedule.				
A	WD01-Overall size 1100 x 2200 mm Fire Rated as per UAE fire code requirements (Staircase) 90min Fire rated.	16	No	2,777.00	44,432.00
B	WD02-Overall size 1100 x 2200 mm Fire Rated Wooden Door (Flat Entry) 60min Fire rated.	62	No	2,777.00	172,174.00
C	WD06-Overall size 1100 x 2200 mm Fire Rated Wooden Door (Tele,Elec & Water meter rm) 60min Fire rated.	24	No	2,777.00	66,648.00
D	WD07-Overall size 1100 x 2200 mm Fire Rated Wooden Door (FHC) 90min Fire rated.	17	No	2,777.00	47,209.00
E	WD09-Overall size 1100 x 2200 mm Fire Rated Wooden Door (Garbage) 60min Fire rated.	8	No	2,777.00	22,216.00
F	WD10-Overall size 1800 x 2000 mm Fire Rated Wooden Door (Corridor to service) 60min Fire rated.	1	No	4,130.00	4,130.00
	Carried to Collection				**356,809.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd)				
	Wooden Doors - Non Fire rated				
A	Supply and fix Non Fire Rated timber doors including frame, shutter, fixing of ironmongery (Ironmongery will be supplied by the Nominated supplier) slotting of hinges, architrave factory finished; all doors shall be as specified as per schedule and drawing to Engineer's approval.				
B	WD03-Overall size 1050 x 2200 mm Wooden door, (Bedroom) **(PC Supply and installation Rate of AED 2,600.00/No)**	77	No	2,860.00	220,220.00
C	WD04-Overall size 950 x 2200 mm Wooden door, (Toilets) **(PC Supply and installation Rate of AED 2,300.00/No)**	125	No	2,530.00	316,250.00
D	WD05-Overall size 1050 x 2200 mm Wooden door, (Guard room) **(PC Supply and installation Rate of AED 2,600.00/No)**	1	No	2,860.00	2,860.00
E	WD08-Overall size 1100 x 2200 mm Wooden door, (POD Toilet) **(PC Supply and installation Rate of AED 2,700.00/No)**	3	No	2,970.00	8,910.00
	Sub-frames				
F	Allow for supply and installation of hard wood sub-frame fixed with self driven screws at 300mm intervals staggered and polyurethane foam as per drawing to Engineer's approval.	1	Item	48,249.00	48,249.00
	Carried to Collection				**596,489.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd) **Ironmongeries** Supply and installation of door ironmongeries, lockset, latches, hinges, door closer, stopper, rubber buffer, nameplate, smokeproof, push plate, push bar, doorviwer, etc., with and including all required fixing screws, etc. in accordance with the Authority requirements, drawings and Specification, and subject to Engineer's approval.				
A	WD01; PC Supply Rate of AED. 400/No.	16	No	442.00	7,072.00
B	WD02; PC Supply Rate of AED. 350/No.	62	No	357.00	22,134.00
C	WD03; PC Supply Rate of AED. 300/No.	77	No	306.00	23,562.00
D	WD04; PC Supply Rate of AED. 250/No.	125	No	255.00	31,875.00
E	WD05; PC Supply Rate of AED. 300/No.	1	No	306.00	306.00
F	WD06; PC Supply Rate of AED. 300/No.	24	No	306.00	7,344.00
G	WD07; PC Supply Rate of AED. 300/No.	17	No	306.00	5,202.00
H	WD08; PC Supply Rate of AED. 300/No.	3	No	306.00	918.00
J	WD09; PC Supply Rate of AED. 300/No.	8	No	306.00	2,448.00
K	WD10; PC Supply Rate of AED. 500/No.	1	No	510.00	510.00
	Carried to Collection				**101,371.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd)				
	Aluminium Louvered Doors				
	Supply and installation of aluminum doors with and including all required architraves,frames,sub-frames,fire-rating, fittings factory finished (wherever required and as per Authorities requirements and regulations) finishes, ironmongery etc. and all related fixing accessories in accordance with the schedule,drawings specification, complete to Engineer's approval.Powder coated finish as per the colour approved by the Engineer.				
A	AD01-Aluminium Louvered Door (Substation), Hardware as per approved selection. Overall size 3050mm (W) x 2750 mm (H)	1	No	6,459.00	6,459.00
	Aluminium Louvered Window				
	Aluminium Louvered Windows with ironmongeries and all required accessories as specified and all in accordance with the Authority requirements, drawings and specification subject to engineers approval.				
B	AL01-Aluminium Louvered Window (Substation), Hardware as per approved selection. Overall size 3000mm (W) x 2150 mm (H)	4	No	4,972.00	19,888.00
C	AL02-Aluminium Louvered Window (LPG Shaft), Hardware as per approved selection. Overall size 600mm (W) x 3200 mm (H)	7	No	1,530.00	10,710.00
	Carried to Collection				**37,057.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd) **Glass Doors** All Aluminum and Glass section to comply the design requirements, contractor to submit the required section along with the design calculations, the sizes mentioned below are not final and are indicative only. Supply and fix of glass door including frame, shutter, ironmongeries, slotting of hinges, fittings factory finished; all doors shall be as specified as per schedule and drawing to Engineer's approval. Fire rating of doors are to be considered as per schedule.				
A	GD-01-Overall size 4000 x 7000 mm Aluminium and glass door	1	No		
B	GD-02-Overall size 4350 x 5600 mm Aluminium and glass door	1	No		
C	GD-03-Overall size 2400 x 3200 mm Aluminium and glass door	1	No		
D	GD-04-Overall size 3500 x 3200 mm Aluminium and glass door	7	No		
E	GD-04'-Overall size 3350 x 3200 mm Aluminium and glass door	8	No		
F	GD-05-Overall size 7700 x 3200 mm Aluminium and glass door	5	No		
G	GD-06-Overall size 3600 x 3200 mm Aluminium and glass door	16	No		
H	GD-07-Overall size 7200 x 3200 mm Aluminium and glass door	14	No		
J	GD-07'-Overall size 7200 x 3200 mm Aluminium and glass door	4	No		
K	GD-08-Overall size 7200 x 3200 mm Aluminium and glass door	4	No		Refer to P.Sum Bill
L	GD-08'-Overall size 7200 x 3200 mm Aluminium and glass door	11	No		
M	GD-09-Overall size 3600x 3200 mm Aluminium and glass door	7	No		
N	GD-09'-Overall size 3600 x 3200 mm Aluminium and glass door	3	No		
P	GD-10-Overall size 7700 x 3200 mm Aluminium and glass door	4	No		
Q	GD-11-Overall size 7200 x 3200 mm Aluminium and glass door	3	No		
R	GD-11'-Overall size 7200 x 3200 mm Aluminium and glass door	3	No		
S	GD-12-Overall size 7200 x 3200 mm Aluminium and glass door	2	No		
T	GD-12'-Overall size 720 x 3200 mm Aluminium and glass door	1	No		
U	GD-13-Overall size 7200 x 3200 mm Aluminium and glass door	1	No		
V	GD-14-Overall size 150 x 2400 mm Aluminium and glass door	1	No		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd)				
	Aluminium Windows & Glazing				
	Aluminium glazed Windows with ironmongeries and all required accessories as specified and all in accordance with the drawings and specification subject to engineers approval.				
A	GW-01-Aluminium Glass window Size: 1400 mm (W) x 1000 mm (H)	1	No		
B	GW-02-Aluminium Glass window Size: 2400 mm (W) x 3200 mm (H)	15	No		
C	GW-03-Aluminium Glass window Size: 3600 mm (W) x 3200 mm (H)	8	No		
D	GW-04-Aluminium Glass window Size: 6500 mm (W) x 2800 mm (H)	1	No		
	Glass Shower Partition				
E	Supply & installation of shower Glass partition, mounted on floor and wall with Vertical and horizontal stainless steel supporting system for flats bath rooms as specified as per drawing and specification subject to Engineer's approval.	22	Lm		Refer to P.Sum Bill
	Glass Railing				
F	Design, supply and installation of powder coated aluminium Tempered Glass Handrail thickens of 17.52mm, with laminated SS brush steel finished top rail. All the Elements and fixing to be designed and installed by the specialist design and drawings. All in accordance with Drawings, specification and Engineer approval and as per civil defense requirement.	892	Lm		
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd)				
	Steel Doors				
	Steel Doors with ironmongeries and all required accessories as specified and all in accordance with the Authority requirements, drawings and specification subject to engineers approval.				
A	SD01- Overall size 1100 x 2200 mm - 90 min Fire rated.	7	No	2,777.00	19,439.00
B	SD02- Overall size 1500 x 2400 mm - 90 min Fire rated.	2	No	4,130.00	8,260.00
C	SD03- Overall size 2000 x 2400 mm - 90 min Fire rated.	2	No	5,507.00	11,014.00
D	SD05- Overall size 900 x 2000 mm - 90 min Fire rated.	3	No	2,065.00	6,195.00
E	SD06- Overall size 1100 x 2200 mm - 60 min Fire rated.	7	No	2,777.00	19,439.00
F	SD07- Overall size 1700 x 2400 mm - 90 min Fire rated.	5	No	4,681.00	23,405.00
G	SD08- Overall size 1100 x 2200 mm - 90 min Fire rated.	1	No	2,777.00	2,777.00
H	SD10- Overall size 1500 x 2200 mm - 90 min Fire rated.	1	No	3,786.00	3,786.00
J	SL09- Overall size 2800 x 2150 mm - 90 min Fire rated.	1	No	6,906.00	6,906.00
	Carried to Collection				**101,221.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. DOORS AND WINDOWS			BILL NO:08
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 08 -DOORS AND WINDOWS (Cont'd)				
	COLLECTION				
	Page From 08/01				356,809.00
	Page From 08/02				596,489.00
	Page From 08/03				101,371.00
	Page From 08/04				37,057.00
	Page From 08/05				-
	Page From 08/06				-
	Page From 08/07				101,221.00
	BILL NO. 08 DOORS AND WINDOWS CARRIED TO GENERAL SUMMARY				**1,192,947.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. All materials used to be as per the DM/DCCA/Green Building requirement/EHS requirement **INTERNAL FINISHES** Floor Finish,Skirtings,Wall Finish,Threshold,Ceiling Finish & External finish all in accordance with Authority requirement, drawings, specification subject to Employer's & Engineer's Approval. **Floor Screed**				
A	Supply & Apply of Concrete Screed to receive the Floor finishes. All in accordance with drawings, specifications & Authority requirements and subject to Engineer/Employer Approval. **FLOOR FINISHES** **GRANITE/MARBLE** Marble / Granite floor finishing; laying to pattern; including water proof adhesive and with matching epoxy grout and protection, over Concrete screed; colour as per engineer's approval. All the exposed edges shall be 1x1mm chamfered, onsite polishing and other side of the stone to be painted as shown on drawings and specifications. **Location: Main Entrance,Ramp,steps,Lif Lobby**	5,838	m²	34.00	198,492.00
B	**F01**-Marble flooring, laid in matching colors to form a pattern as indicated with matching color grout as approved by Engineer. **(PC supply Rate AED. 400/m² only)** **Location: Main Entrance Lobby**	79	m²	468.00	36,972.00
C	**F02**-Granite flooring, laid in matching colors to form a pattern as indicated with matching color grout as approved by Engineer. **(PC supply Rate AED. 500/m² only)** **Location: Lift Cabin**	46	m²	553.00	25,438.00
D	Stone flooring for lift cabin, laid in matching colors to form a pattern, in coordination with lift Subcontractor as indicated with matching color grout as approved by Engineer. **(PC supply Rate AED. 400/m² only)**	10	m²	468.00	4,680.00
	Carried to Collection				**265,582.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd) **CERAMIC/PORCELAIN-FINISHING** Ceramic/Porcelain tile finish floor; laying to pattern; including water proof adhesive and epoxy grout and protection, over concrete screed, in accordance with drawings, specifications and subject to Engineer's approval. **Location: CCTV Room,Guard Rm, Lift Lobby and Corridoor, Living Dining, Bedroom,Study,Passage,Terrace,Balcony**				
A	**F03-** 600x600mm Porcelain tile (colour and design as per Clients approval) with matching color grout as approved by Engineer. **(PC supply Rate of AED. 50/m² only)** **Location:Kitchen**	4,100	m²	107.00	438,700.00
B	**F04-** 600x600mm Porcelain tile-anti slip (colour and design as per Clients approval) with matching color grout as approved by Engineer. **(PC supply Rate of AED. 50/m² only)** **Location:Pool Deck,Shower,Toilet,Bath,Landry,POD Toilet**	318	m²	107.00	34,026.00
C	**F05**-300x300 mm, Ceramic tile- anti slip (colour and design as per Clients approval) with matching color grout as approved by Engineer. **(PC supply Rate of AED. 40/m² only)** **Location: Garbage Room,O.T.S**	493	m²	98.00	48,314.00
D	**F06**-300x300 mm, Heavy duty non slip Ceramic tile with matching color grout as approved by Engineer. **(PC supply Rate of AED. 45/m² only)** **Location: Tele Room,Garbbage Room,Water meter Rm,Electrical rm,Passage.**	63	m²	102.00	6,426.00
E	**F11**-300x300 mm, Ceramic tile (colour and design as per Clients approval) with matching epoxy grout. **(PC supply Rate of AED. 40/m² only)**	122	m²	98.00	11,956.00
	Carried to Collection				**539,422.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd)				
	Location: Gym				
A	**F14-**600x600 mm, EDPM Rubber floor (colour and design as per Clients approval)	23	m²	213.00	4,899.00
	Location: Swimming pool,Kids Swimming Pool				
B	**F11-**20mmx20mm Glass Mosaic Tiles finished in approved pattern.		m²		Included in Swimming Pool Works
	FLOOR PAINTING				
	Location: Driveway/Parking,Fire Exit Corridor and Ramp.				
C	**F07-** Hard wearing, skid resistant flexible flooring system with polyurethane traffic deck system. Colour as approved by the Engineer/Employer in accordance with Authority requirements and subject to Engineer/Employer Approval.	2,783	m²	53.00	147,499.00
	Location:Electrical substation,LV Rm,Pump rm,Generator Rm,Staie case.				
D	**F09-** Screed painted with 2 coats of smooth Epoxy resin base floor coating. Colour as approved by the Engineer/Employer in accordance with Authority requirements and subject to Engineer/Employer Approval.	594	m²	43.00	25,542.00
	Carried to Collection				**177,940.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd)				
	SKIRTING FINISHES				
	Skirting fixed with adhesive including backing, grouting, jointing etc. all as specified and as shown on drawings and Specification.				
	Location:Main Entrance,Ramp,Steps				
A	**S01**-Supply and fixing of 100 mm Marble skirting to match flooring. **(PC Supply Rate AED. 50.00/m only)**	20	Lm	77.00	1,540.00
	Location:Main Entrance Lobby				
B	**S02**-Supply and fixing of 100 mm Granite skirting to match flooring. **(PC Supply Rate AED. 60.00/m only)**	26	Lm	85.00	2,210.00
	Location:CCTV Room,Fire exit Corridor and Ramp,Guard Rm,Living and Dining,Bedroom/Study,Passage,Balcony				
C	**S03**-Supply and fixing of 100 mm Porceline tile skirting to match flooring. **(PC Supply Rate AED. 12.00/m only)**	2,242	Lm	23.00	51,566.00
	Location:Water meter Rm,Teleroom,Electrical Rm,				
D	**S05**-Supply and fixing of 100 mm Ceramic tile skirting to match flooring. **(PC Supply Rate AED. 10.00/m only)**	207	Lm	22.00	4,554.00
	Location: Gym				
E	**S06**-Supply and fixing of 100 mm high Wooden skirting	21	Lm	64.00	1,344.00
	PAINTING SKIRTINGS				
	Location: Staircase,Pump Rm				
F	**S04**- 200mm high Epoxy paint skirting to match flooring	473	Lm	17.00	8,041.00
	THRESHOLD				
	Thresholds ; 20mm thick; one piece; marble threshold with rounded edge in varying lengths to match door frame widths; set adhesive over the concrete screed including epoxy grout and waterproofing backing.				
G	20mm thick marble Threshold on screed with 12mm x 12mm beveled edge. **(PC supply Rate AED. 110/m only)**	301	Lm	166.00	49,966.00
	Carried to Collection				**119,221.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd)				
	WALL FINISHES				
	Cement and sand plaster 15mm thick to block or concrete walls, columns, shear wall etc all as specified and as shown on drawings, specifications and subject to Engineer's approval.				
A	Plaster to receive Paint	13,297	m²	40.00	531,880.00
B	Backing Plaster to Ceramic /Porcelain /Stone Walls	3,898	m²	40.00	155,920.00
C	Wall Plaster above False ceiling level	1,804	m²	40.00	72,160.00
	CERAMIC/PORCELAIN-WALL TILES				
	The rate for all the following tile finishes shall include for all jointing and pointing with an approved grout as required and adhesive as per Specification to the Engineer's approval. Contractor shall also allow for plastic edges strips for all ceramic tiles, external corners, and horizontal				
	Location: Garbbage Rm				
D	**W07**- 300mm x 300mm Ceramic tiles on wall with matching color grout as approved by Engineer **(PC supply Rate AED. 40/m² only)**	112	m²	94.00	10,528.00
	Location: Lift Lobby				
E	**W10**- 300mm x 600mm Porcelain tiles on wall with matching color grout as approved by Engineer **(PC supply Rate AED. 50/m² only)**	378	m²	102.00	38,556.00
	Location: Swimming Pool, Kids Swimming Pool				
F	**W11**- 20mmx20mm Glass Mosaic Tiles finished in approved pattern.		m²		Included in Swimming Pool Works
	Location: Main Entrance Lobby				
G	**W12**- 600mm x 600mm Porcelain tiles on wall with matching color grout as approved by Engineer **(PC supply Rate AED. 50/m² only)**	71	m²	102.00	7,242.00
	Location: Toilet,Shower,POD Toilet,Kitchen,Bath,Laundry.				
H	**W13**- 300mm x 600mm Ceramic tiles on wall with matching color grout as approved by Engineer **(PC supply Rate AED. 40/m² only)**	3,337	m²	94.00	313,678.00
	Carried to Collection				**1,129,964.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd) **WALL FINISHES (Cont'd)** **WALL PAINTING WORKS** Prepare and apply paint in accordance with the specified materials and type as per specification, colour as per Engineer's selection, complying Authority requirements, subject to Engineer's approval. **Location: Staircase, Pump Rm,Fire exit corridor and ramp,Guard Rm,Corridor,Gym,Living and Dining,Bed rm/Study**				
A	**W02-** Supply & Apply of Washable Emulsion Paint on cement sand plaster **Location:Garbage Room,Toilet,Shower,Bath/Laundry,POD Toilet.**	8,842	m²	22.00	194,524.00
B	**W03-**Supply & Apply of Anti fungal and anti bacterial acrylic Emulsion Paint on cement sand plaster **Location:Driveway and Parking,Generator Rm,**	745	m²	22.00	16,390.00
C	**W04-** Supply and apply of Anti carbonation Emulsion paint over cement sand plaster surface. as approved by Engineer **Location: Electrical Substation,Tel. Room,Electrical Room,LV Rm,CCTV Rm.**	2,846	m²	30.00	85,380.00
D	**W06-**Supply and apply of Epoxy paint over cement sand plaster surface. **Location:Water Meter Rm.**	676	m²	34.00	22,984.00
E	**W09-**Supply and apply of Oil paint over cement sand plaster surface.	188	m²	26.00	4,888.00
	Carried to Collection				**324,166.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd) **CEILING FINISHES** Cement and sand spray plaster 6mm thick to concrete ceiling all as specified drawings, Specification in accordance with Authority regulations and subject to Engineer's Approval				
A	Soffits Plaster to receive paint	5,696	m²	34.00	193,664.00
	SUSPENDED CEILING Gypsum board/Moisture resistance, Mineral fiber grid ceiling suspended ceiling including multi level bulkhead, access panel, cove light, shadow gaps, paint, suspension system, all as specified and as shown on drawing to Engineer's approval. **Location: Lift lobby , Main Entrance Lobby,Guard Rm,Corridor, kitchen, Living /Dining, Passage.**				
B	**C01**-Decoratrive Moisture resistance Gypsum Board Ceiling system with Acrylic emulsion paint finish to Engineer's Approval	1,112	m²	102.00	113,424.00
	Location:CCTV Rmm, Toilet,POD Toilet,Kitchen,Bath,Laundry,Garbbage Rm,				
C	**C02**-600x600mm Moisture resistance Gypsum tile PVC laminated Ceiling system to Engineer's Approval	573	m²	94.00	53,862.00
	Location: Gym				
D	**C03**-600x600mm Acoustic Panel as per specification Ceiling system to Engineer's Approval	22	m²	415.00	9,130.00
	Carried to Collection				**370,080.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd) **CEILING FINISHES (Cont'd)** **PAINTING (CEILING/SOFFITS)** Paint over cement sand plaster; all as specified to Engineer's approval. In accordance with Authority requirements, Specifications and drawings. **Location:,Electrical Substation,LV Rm,Water Meter, Telephone Rm,Electrical Rm,**				
A	**C04-**Supply and apply of Epoxy paint system over plaster surface. colour as per Engineer's selection, complying Authority requirements, subject to Engineer's approval. **Location: Staircase,Pump Rm,Fire Exit Corridor and Ramp,Kitchen,Licing /Dining,Bed Rm,Study.**	168	m²	39.00	6,552.00
B	**C05-**Supply and apply of Washable Emulsion paint system over plaster surface. colour as per Engineer's selection, complying Authority requirements, subject to Engineer's approval. **Location: Garbbage Rm,Bath,Toilet,Laundry,POD Toilet.**	2,337	m²	22.00	51,414.00
C	**C06**-Supply & Apply of Anti fungal and anti bacterial acrylic Emulsion Paint over plaster surface, colour as per Engineer's selection, complying Authority requirements, subject to Engineer's approval. **Location: Driveway and Parking,Genrerator Rm.**	410	m²	26.00	10,660.00
D	**C07-**Supply and apply of Anti Carbonation Emulsion paint over plaster surface.Colour as per Engineer's selection, complying Authority requirements, subject to Engineer's approval.	2,781	m²	34.00	94,554.00
	Carried to Collection				**163,180.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd)				
	EXTERNAL FINISHES				
	External finishes shall be as per drawings & specifications in accordance with Authority regulations. Refer to Elevations and wall sections.				
	Cement and sand 20mm thick plaster to block or concrete walls and columns with Aluminium channel grooves with necessary finish all as specified in the drawings, specifications in accordance to Authority requirements and subject to Engineer's Approval				
A	External Plaster to receive finishes	3,406	m²	51.00	173,706.00
B	External Ceiling Plaster to receive paint	887	m²	51.00	45,237.00
	EXTERNAL PAINT				
	Paint over sand cement plaster; as specified in the drawings, finishes schedule, specifications in accordance to Authority requirements and subject to Engineer's Approval.				
C	**(04)-** Supply and apply of Weather & dust proof Exterior Paint finishes as shown in the Elevation drawings, specification and approved type, color selection.	4,293	m²	43.00	184,599.00
	GRC Cornice Projections				
D	**(02)** Design, Supply and installation of GRC Cornice Projection works with paint finish (Colour to approval) including necessary framing supports, fittings, fixtures, grooves for facade light etc. complete all as per the drawings, specification in accordance to Authority requirements and subject to Engineer's Approval.	185	m	468.00	86,580.00
	Aluminium Screen				
E	**(05)-** Design,Supply and installation of Aluminium Screen including framing, supports, fittings,fixtures, accessoriesetc. complete all as per the drawings, specification in accordance to Authority requirements and subject to Engineer'sApproval. (Design and colour shall be as per Engineer's approval.)		m²		Refer to P.Sum Bill
	Powder Coated Aluminium Vertical Louvers				
F	**(06)-** Design, Supply and installation of Powder coated Aluminium Louvers including framing, supports, fittings, fixtures, accessories etc. complete all as per the drawings, specification in accordance to Authority requirements and subject to Engineer's Approval. (Design and colour shall be as per Engineer's approval.)		m2		Refer to P.Sum Bill
	Carried to Collection				**490,122.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. FINISHES			BILL NO:09
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 09 - FINISHES (Cont'd)				
	COLLECTION				
	Page From 09/01				265,582.00
	Page From 09/02				539,422.00
	Page From 09/03				177,940.00
	Page From 09/04				119,221.00
	Page From 09/05				1,129,964.00
	Page From 09/06				324,166.00
	Page From 09/07				370,080.00
	Page From 09/08				163,180.00
	Page From 09/09				490,122.00
	BILL NO. 09 FINISHES CARRIED TO GENERAL SUMMARY				**3,579,677.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SPECIALITIES			BILL NO:10
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 10 - SPECIALTIES The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. **Sanitary wares, Fixtures, Fittings and Accessories Toilet Accessories**				
A	Supply and Installation of Sanitarywares, fixtures, WC, washbasin, soap dispensers, mirror, vanity counter (measured separately), bath tub, fittings and accessories including anchors, mixers, angle valve, floor drains, trim, bolts and steel cleats and hardware accessories necessary to complete the installation as required and as specified and shown on the drawings and to the approval of the Engineer, **Facial Mirrors**		Item		Refer P. Sum BIll
B	Supply and installation of Facial Mirrors including all fixing accessories, screws, etc. complete as shown on the drawings and specification **Garbage Bins for Common Area:**	1	Item	28,892.00	28,892.00
C	Supply & installation of Garbage Bins for Common Area as per drawings, specification and in accordance with Authority requirements & Engineer's Approval. **Cement Board Partition wall**	1	Item	16,995.00	16,995.00
D	Supply and installation of Cement board partion wall on terrace/Balcony with all framing, fittings, fixtures, accessories, etc., complete all as per drawings and speciofications **Roll Matts**	45	m2	340.00	15,300.00
E	Supply and installation of Roll Entry Mats, including all fixing accessories, etc.complete all as per the drawings, specification, to the approval of the Engineer, Authority requirements	14	m2	510.00	7,140.00
	Carried to Collection				**68,327.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SPECIALITIES			BILL NO:10
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 10 - SPECIALTIES (Cont'd) **COLLECTION** Page From 10/01				68,327.00
	DIVISION 10 - SPECIALTIES CARRIED TO GENERAL SUMMARY				**68,327.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. EQUIPMENTS			BILL NO:11
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 11 - EQUIPMENTS The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.				
	BMU (Window Cleaning System)				
A	Supply, installation and maintenance of window cleaning system for window cleaning works by a specialist suppliers as per manufacturer for architect's approvals.		Item		Refer to P.Sum Bill
	Gymnasium Equipments				
B	Supply and install Gym equipments to engineer's approval - by a Specialist Supplier detail to Engineer's approval.		Item		Refer to P.Sum Bill
	Gate Barrier System				
C	Supply and install Gate Barrier System, including remote to access the gate barrier ; complete as per drawings and specifications; to the requirements of authority to Engineer's approval.		Item		Refer to P.Sum Bill
	Garbage Chutes and Compactor Supply and installation of garbage chute, complete; all in accordance with the drawings and specification to the Engineer's approval.				
D	60 cm diameter garbage chute (Height as Per Drawings)	1	Item	118,965.00	118,965.00
	Garbage Trolley Hot dipped galvanized steel garbage containers to Municipality standard trolley including heavy duty wheels, rubber lids, rubber lined for sound absorption, Socking and lifting device, suitable for the Municipality trucks to the Engineer's approval				
E	Garbage trolley with wheels	2	Nos	3,824.00	7,648.00
	Bicycle Parking Stand				
F	Supply and installation of bicycle parking stand as per drawing and specification to engineer's approval.	1	Item	4,249.00	4,249.00
	Carried to Collection				**130,862.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. EQUIPMENTS			BILL NO:11
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 11 - EQUIPMENTS (Cont'd) **COLLECTION** Page From 11/01				130,862.00
	DIVISION 11 - EQUIPMENTS CARRIED TO GENERAL SUMMARY				**130,862.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. EQUIPMENTS			BILL NO:12
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 12 - FURNISHING The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. **Furnitures**				
A	Supply and Installation of complete furniture as per Drawings, Specification and Engineers approval.				By Client
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. EQUIPMENTS			BILL NO:12
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 12 - FURNISHING (Cont'd) **COLLECTION** Page From 12/01				
	DIVISION 12 - FURNISHING CARRIED TO GENERAL SUMMARY				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SPECIAL CONSTRUCTION			BILL NO:13
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 13 - SPECIAL CONSTRUCTION The Contractor is referred to the Specifications and Drawings for all details related to this Section of the Works and Contractor to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description. **Swimming Pool**				
A	Design, Supply and installation of Swimming Pool including Waterproofing, guniting (floor and wall), Equipments, pump, filtration, heating and cooling, lightings and drainage system, manhole cover, drain, cat ladder, gratings, etc. (excluding concrete measured separately) and other related Civil works, finishes and MEP works to complete as shown on the drawings, to Engineer's Approval and Authority requirements. The swimming pool specialist shall ensure the swimming pool to accommodated normal users and handicapped person and therefore coordinate with other division not limited to handicapped lift, Main Contractor to provide smooth access the handicapped person and their safety in the swimming pool area All in accordance with specification and drawings, subject to Engineer approvals.	1	Item	509,850.00	509,850.00
	Carried to Collection				**509,850.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SPECIAL CONSTRUCTION			BILL NO:13
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 13 - SPECIAL CONSTRUCTION (Cont'd)				
	Corner Guards				
A	100 X 100 mm Neoprene Rubber corner guard at columns (1200mm high) fixed to concrete as shown on drawings at all exposed corners to Engineer's approval.	1	Item	16,995.00	16,995.00
	Speed Breaker Humps				
B	Supply and install patened hard rubber speed breaker including white reflective buttons all as per drawings to engineer's approval.	1	Item	8,498.00	8,498.00
	Rubber Guard at Ramps/Garbage rooms				
C	Supply and installation of rubber guard railing at ramps as shown on drawings and Engineer approvals.	1	Item	8,498.00	8,498.00
	Wheel Stopper				
D	2000 x 140 x 100mm high precast concrete blocks all as per drawings to engineer's approval	74	Nos	213.00	15,762.00
	Concave Mirrors				
E	Supply and installation of Concave mirrors at ramps & parking areas as shown on drawings in accordance with authority requirements and subject to Engineer approval.	1	Item	4,249.00	4,249.00
	Traffic Markings				
	All epoxy painting traffic marking as shown on drawings and to the Authority standards & requirements. Note:- Contractor shall allow additional markings than shown on drawings.				
F	Parking divide line to any shape	1	Item	8,498.00	8,498.00
G	Straight Arrow	17	Nos	128.00	2,176.00
H	Left/Right Arrow	14	Nos	128.00	1,792.00
J	Disabled Parking Sign	1	Nos	213.00	213.00
K	Parking numbers	74	Nos	17.00	1,258.00
	Carried to Collection				**67,939.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SPECIAL CONSTRUCTION			BILL NO:13
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 13 - SPECIAL CONSTRUCTION (Cont'd)				
	Internal and External Signages (Apartment Door, Service sign, Floor levels sign, direction sign, Building Signage, etc.) (Excluding DCD signages)				
A	Supply and installation of Internal and External Signage works subject to Engineer's approval in accordance with Authority requirement		Item		Refer to P.Sum Bill
	<u>Building (DCD Signages):</u>				
B	Supply and installation of Internal and External DCD Signage works subject to Engineer's approval in accordance with Authority requirement		Item		Refer to P.Sum Bill
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. SPECIAL CONSTRUCTION			BILL NO:13
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 13 - SPECIAL CONSTRUCTION (Cont'd)				
	COLLECTION				
	Page From 13/01				509,850.00
	Page From 13/02				67,939.00
	Page From 13/03				-
	DIVISION 13 - SPECIAL CONSTRUCTION CARRIED TO GENERAL SUMMARY				**577,789.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C			B.O.Q. CONVEYING SYSTEM		BILL NO:14
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 14 - CONVEYING SYSTEM Supply, install, commission, testing, third party inspection, passenger lift including controls, lightings, finishes, accessories, builders work, connections, testing and commissioning, complete, as specified in General and Particular Specification, and as indicated in the drawings. Lift Car to be finished as per Finishing Schedule and as per the Drawings approved by Employer/Engineer **Elevators**				
A	Design, Supply and Installation of complete lifts works (Passenger lift) testing and commissioning and etc., as shown on drawings to engineer's approval.		Nos		Refer to Provisional Sum Bill
B	Design,Supply and Installation of complete lifts works (Handicapped Lift) testing and commissioning etc,as shown on drawings and to engineer's approval. The Handicapped lift shall provide the necessary grab bars and other accessories for the handicapped persons who are using the lift. The lift supplier shall ensure the lift satisfies the DCD, Authority and Handicapped requirements and co ordinate with the main contractor regarding the necessary slopes in the structures.		Nos		Refer to Provisional Sum Bill
	Carried to Collection				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. CONVEYING SYSTEM			BILL NO:14
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 14 - CONVEYING SYSTEM (Cont'd) **COLLECTION** Page From 14/01				
	DIVISION 14 - CONVEYING SYSTEM CARRIED TO GENERAL SUMMARY				

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL The Works shall be as per DEWA Requirement and General requirements regarding the Green Building as per Authority regulations The routing of the pipes/accessories/valves/bends/other required fittings etc., on the drawings are indicative only. Contractor to submit the required shop drawings according to design drawing with pressure drop/pump head calculations and flow calculation with required pipe dia size, supporting system according to pipe route, as per site condition and authority regulations etc. **WATER SUPPLY SYSTEM** **Cold Water System** **Above Ground Pipe work** PPR pipes shall comply with DIN 8077 & 8078 DVGW, WRAS and NSF 14, 61 for inside toilet, kitchen, bathroom above false ceiling, unconditioned areas, Roof, shaft and equipment room with fittings including hangers, supports and necessary accessories; all in accordance with the drawings, specifications and project requirement. (all the below pipe sizes are internal dia)				
A	20mm diameter	690	m	30.00	20,700.00
B	25mm diameter	1,782	m	31.00	55,242.00
C	32mm diameter	25	m	32.00	800.00
D	40mm diameter	18	m	34.00	612.00
E	50mm diameter	30	m	47.00	1,410.00
F	63mm diameter	54	m	62.00	3,348.00
G	83mm diameter	88	m	66.00	5,808.00
H	110mm diameter	130	m	184.00	23,920.00
	Carried to Collection				**111,840.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **WATER SUPPLY SYSTEM** **Above Ground Pipe work (Cont'd)** PEX pipes to DIN 16892/16893 and DVGW and WRAS approved including fittings, conduits and necessary accessories for the drops from the main pipes to sanitary ware and fitting; all in accordance with drawings, specification and project requirement. (all the below pipe sizes are internal dia)				
A	16mm diameter	1,980	m	28.00	55,440.00
B	PPR Pipe Insulation and Aluminium cladding at roof, equipment room, parking and shaft which shall include Insulation to fittings, accessories and equipment.	1	Item	20,394.00	20,394.00
	Carried to Collection				**75,834.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **WATER SUPPLY SYSTEM** **Hot Water System** PPR pipes shall comply with DIN 8077 & 8078 DVGW, WRAS & NSF 14, 61 with fittings including hangers, supports, insulation and necessary accessories; all in accordance with drawings and specifications. (all the below pipe sizes are internal dia)				
A	20mm diameter	742	m	30.00	22,260.00
	PEX pipes to DIN 16892/16893 and DVGW & WRAS approved including fittings, conduits and necessary accessories for the drops from the main pipes to sanitary ware and fitting; all in accordance with drawings, specification and project requirement. (all the below pipe sizes are internal dia)				
B	16mm diameter	902	m	28.00	25,256.00
	Carried to Collection				**47,516.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	WATER SUPPLY SYSTEM				
	UPVC Pressure pipe work uPVC pressure pipe work to BS 3505 class "E" with solvent welded fittings hangers, supports, insulation and necessary accessories; all in accordance with drawings and specifications. (all the below pipe sizes are internal dia)				
A	50 mm diameter	12	m	43.00	516.00
	Under ground main incoming to Water tank				
B	63mm diameter	58	m	98.00	5,684.00
	Valves and Accessories Supply and installation of following valves and accessories; all in accordance with the drawings, specification and project requirement.				
	Water Hammer Arrestor				
C	Supply and Installation of Water Hammer Arrestor with all fittings and accessories as per the drawings and specification.	69	no	70.00	4,830.00
	Isolation Valves Supply and install the following gate valves or butterfly valves as per the specification, drawings and project requirement				
D	20mm diameter	355	no	68.00	24,140.00
E	25mm diameter	191	no	60.00	11,460.00
F	32mm diameter	1	no	77.00	77.00
G	40mm diameter	2	no	98.00	196.00
H	50mm diameter	2	no	124.00	248.00
J	63mm diameter	2	no	179.00	358.00
K	80mm diameter	22	no	264.00	5,808.00
L	100mm diameter	2	no	447.00	894.00
	Carried to Collection				**54,211.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	WATER SUPPLY SYSTEM				
	Non Return Valves				
A	40mm diameter	1	no	170.00	170.00
B	80mm diameter	2	no	413.00	826.00
C	100mm diameter	1	no	638.00	638.00
	Solenoid Valves				
D	50mm diameter	1	no	808.00	808.00
E	63mm diameter	1	no	935.00	935.00
	Angle Valves				
F	Angle valves for Water Heater - 15mm diameter	132	no	47.00	6,204.00
	Bib Tap				
G	15mm diameter	19	no	60.00	1,140.00
	Float Valve Supply and installation of float valves; all in accordance with the drawings, specification and project requirement.				
H	80mm diameter	2	no	2,050.00	4,100.00
J	63mm diameter	2	no	1,275.00	2,550.00
K	Supply and installation of automatic air releasing valve	6	no	170.00	1,020.00
	Pressure Reducing Valve Station Supply and Install the following PRV Station complete with PRV, Bypass valve, Pressure gauge, etc.. as per Specifications, Drawing and Authority regulations.				
L	63mm diameter	10	no	1,683.00	16,830.00
M	25mm diameter	1	no	425.00	425.00
	Carried to Collection				**35,646.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	WATER SUPPLY SYSTEM				
	Water Heaters Supply and installation of Electric water heater, including necessary fittings, accessories, valves, controllers, supports, pipe, electrical connections and miscellaneous materials; all in accordance with the drawing and specification.				
A	100 ltrs. Electric water heater	15	no	680.00	10,200.00
B	80 ltrs. Electric water heater	50	no	595.00	29,750.00
C	50 ltrs. Electric water heater	1	no	425.00	425.00
D	Drain pipe for water heater safety valve	218	m	56.00	12,208.00
	Water meter (fixing only) with valve Water meter fittings including 2 nos. of gate valve, 2 no's of union coupling tap to 65mm diameter pipe, NRV or as per DEWA regulation, drawing, specification and required diameter of pipe for project. (Supply of Water Meters by DEWA / pay by Client)				
E	Water meter (fixing only) with valve as per DEWA Approval	1	Item	4,249.00	4,249.00
	Carried to Collection				**56,832.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **WATER SUPPLY SYSTEM** **Equipments** Supply, installation and testing and commissioning of Booster pump including all piping connections, fittings, valves, controllers, pressure vessel, control panel and electrical connection and other accessories; all in accordance with the drawings and specification. Pump head and pressure to be calculated according to project requirement and Engineer approval.				
A	Booster Pump (1 Duty + 1 Standby) 90 IGPM at 25 MH Supply, installation and testing and commissioning of Transfer pump including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories; all in accordance with the drawings and specification. Pump head and pressure to be calculated according to project requirement and Engineer approval.	1	Set	30,676.00	30,676.00
B	Transfer Pump (1 Duty + 1 Standby) 80 GPM at 6 Bar Supply, installation and testing and commissioning of Irrigation Water Booster pump including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories ; all in accordance with the drawings and specification. Pump head and pressure to be calculated according to project requirement and Engineer approval.	1	Set	30,676.00	30,676.00
C	Irrigation Water Booster Pump (1 Duty + 1 Standby) Supply, installation and testing and commissioning of Sump pump including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories ; all in accordance with the drawings and specification. Pump head and pressure to be calculate according to project requirement and Engineer approval.	1	Set	20,437.00	20,437.00
D	Sump Pump (Pump room) (1 Duty + 1 Standby)	1	Set	8,158.00	8,158.00
E	Sump Pump (Lift Pit) (1 Duty + 1 Standby)	1	Set	5,779.00	5,779.00
	Carried to Collection				**95,726.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **WATER SUPPLY SYSTEM** **Equipments (Cont'd)** Supply, installation and testing and Commissioning of Filtration pump including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories ; all in accordance with the drawings and specification. Pump head and pressure to be calculate according to project requirement and Engineer approval.				
A	Filtration Pump (1 Duty + 1Standby) 80 IGPM at 20 MH	1	Set	17,038.00	17,038.00
	GRP water tank Supply, Install, testing and commissioning of the GRP insulated sectional tank complete with fitting, float valves, vent pipes, ladders, low and high level float switches, etc.; all in accordance with the project specification, drawings and project requirement.				
B	GRP water tank - Roof (3x3x2.5 M, Free board-300mm, Capacity 4020 Imp.Gallon)	1	no	50,985.00	50,985.00
C	GRP Irrigation/AC Condensate water Tank (2x2x2 M, Capacity 8 m^3)	1	no	12,747.00	12,747.00
D	Swimming pool backwash collection tank (1.5x1.5x1.5 M, Capacity 3.3 m^3)	1	no	9,773.00	9,773.00
	Filtration System Supply, installation and testing and Commissioning of Water Filtration System including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories; all in accordance with the drawings and specification.				
E	Filtration System (Capacity 80 IGPM)	1	Set	63,604.00	63,604.00
	Carried to Collection				**154,147.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	WATER SUPPLY SYSTEM				
	Equipments (Cont'd)				
	UV Sterilizers Supply, installation and testing and Commissioning of UV Sterilizers including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories; all in accordance with the drawings, specification, project requirement and Engineer approval.				
A	UV Sterilizers-90 IGPM	1	Set	10,325.00	10,325.00
	Copper Silver Ionization System Supply, installation and testing and Commissioning of Copper Silver Ionization System including all piping connections, fittings, valves, controllers, control panel and electrical connection and other accessories; all in accordance with the drawings, specification, project requirement and Engineer approval.				
B	Copper Silver Ionization System	1	Set	17,038.00	17,038.00
	WATER CHAMBER WORKS				
C	Supply, Install Water chamber valves and fittings including gate valve, flanges, union coupling tap, NRV, including cover , SS name plate, PVC/GI junction box, containment and control cabling in Main water meter chamber, LV Room and Water meter room as per DEWA regulation, drawing, specification and required diameter of pipe for project.	1	Item	8,158.00	8,158.00
	Carried to Collection				**35,521.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	WATER SUPPLY SYSTEM				
	Sanitary Wares and Toilet Accessories Installation of all Sanitary wares and toilet accessories with all fittings, valves and accessories as mentioned in section to Engineer's approval.				
	Location: Apartments				
A	Wall mount Water Closet	124	no	170.00	21,080.00
B	Concealed Cistern	124	no	102.00	12,648.00
C	Flush plate	124	no	43.00	5,332.00
D	Under counter Wash Basin	124	no	34.00	4,216.00
E	Wash Basin Mixer	124	no	34.00	4,216.00
F	Bottle trap for wash basin	124	no	34.00	4,216.00
G	Concealed type Shower Mixer	77	no	136.00	10,472.00
H	Hand shower	77	no	43.00	3,311.00
J	Shower head	77	no	43.00	3,311.00
K	Health Faucet	124	no	34.00	4,216.00
L	Towel rail	77	no	34.00	2,618.00
M	Soap dispenser	124	no	34.00	4,216.00
N	Robe hook	124	no	34.00	4,216.00
P	Toilet Paper Holder	124	no	34.00	4,216.00
Q	Linear Shower drain	77	no	170.00	13,090.00
R	Angle valve	558	no	34.00	18,972.00
S	Supply and installation of stop valve, waste, rubber seal, wall bracket, connector for WC, WB, Sink and all necessary accessories for fixing above items.	1	Item	3,399.00	3,399.00
	Carried to Collection				**123,745.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **WATER SUPPLY SYSTEM** **Sanitary Wares and Toilet Accessories (Cont'd)** Location: Common Areas				
A	Wall mount Water Closet	1	no	170.00	170.00
B	Concealed Cistern	1	no	102.00	102.00
C	Flush plate	1	no	43.00	43.00
D	Wash Basin	1	no	34.00	34.00
E	Wash Basin Mixer	1	no	34.00	34.00
F	Bottle trap for wash basin	1	no	34.00	34.00
G	Shower Mixer + Shower head + Telephone shower	1	no	170.00	170.00
H	Shower Mixer + Shower head + Telephone Shower - for POD Outdoor Pool shower	5	no	255.00	1,275.00
J	Health Faucet	1	no	34.00	34.00
K	Towel rail	4	no	34.00	136.00
L	Soap Dish	1	no	34.00	34.00
M	Liquid Soap Dispenser	3	no	34.00	102.00
N	Robe hook	4	no	34.00	136.00
P	Toilet Paper Holder	4	no	34.00	136.00
Q	Shower drain	4	no	34.00	136.00
R	POD Toilet Set	3	no	255.00	765.00
T	Angle valve	12	no	34.00	408.00
U	Supply and installation of stop valve, waste, rubber seal, wall bracket, connector for WC, WB, Sink, bathtub and all necessary accessories for fixing above items.	1	Item	850.00	850.00
	Carried to Collection				**4,599.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	WATER SUPPLY INSTALLATIONS				
	Sundries				
A	Warranty for all the Domestic Water system as per the Contract documents	1	LS	3,399.00	3,399.00
B	Testing and commissioning including operating completed installations and providing fuel, power and water. Cleaning, flushing of piping of all services as per specification and drawing in accordance with local authority requirement.	1	LS	12,747.00	12,747.00
C	Final connections from services authorities, termination of services, with all fittings, valves, fixtures etc. required to complete the connection.	1	LS	3,399.00	3,399.00
D	Labels, special tools, complete all necessary identification for the services in accordance with authority requirement, specification and drawing.	1	LS	3,399.00	3,399.00
E	Protective/Decorative painting as per specification drawings and satisfaction of the Engineer.	1	LS	10,240.00	10,240.00
F	Co-ordination and liaison with all local authorities, all involved parties for the project.	1	LS	4,249.00	4,249.00
G	Training for the operation and maintenance staff as nominated by Client.	1	LS	3,399.00	3,399.00
H	Allow for all necessary pipe connections to the water tank including puddle flange and accessories complete as specified	1	LS	5,099.00	5,099.00
J	All the authorities approvals and acceptance.	1	LS	4,079.00	4,079.00
K	Note : Defects liability period for all the MEP works is 1 year other than the warranty / Guarantee of the equipments.	1	LS	8,498.00	8,498.00
	Builders work				
L	Builders work including cutting, chasing, wall and slab cut-outs, sleeves, supports, shafts etc. and making good, complete in accordance with authority regulation, satisfaction of the engineer as per specification and drawing.	1	LS	21,244.00	21,244.00
	Carried to Collection				**79,752.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
	Fire fighting system pipework for Sprinkler and wet risers, sprinkler drain, etc. with ERW UL/FM approved, as per ASTM A53 grade B, schedule 40 and fittings, suitable for a working pressure, including hangers, supports and necessary accessories; all in accordance with specifications and Local Civil Defence approval				
A	25 mm dia.	1185	m	53.00	62,805.00
B	32 mm dia.	200	m	61.00	12,200.00
C	40 mm dia.	288	m	66.00	19,008.00
D	50 mm dia.	168	m	73.00	12,264.00
E	65 mm dia.	270	m	98.00	26,460.00
F	80 mm dia.	122	m	98.00	11,956.00
G	100 mm dia.	76	m	136.00	10,336.00
H	150 mm dia.	462	m	166.00	76,692.00
	Ancillaries including all necessary fixing valves and accessories as per drawings and specifications				
J	Flexible Pipe Connectors	1	Item	3,399.00	3,399.00
K	Flow switches	1	Item	638.00	638.00
L	Drain cock's	1	Item	425.00	425.00
M	Automatic air vent	1	Item	425.00	425.00
N	Alarm check valves	1	Item	3,824.00	3,824.00
P	Pressure Reducing Valve	1	Item	5,099.00	5,099.00
	Carried to Collection				**245,531.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
	Ancillaries including all necessary fixing valves and accessories as per drawings and specifications (Cont'd)				
A	Pressure switch	1	Item	680.00	680.00
B	Pressure gauge's	1	Item	850.00	850.00
C	Test Points	1	Item	4,249.00	4,249.00
D	Flow meter	1	Item	4,249.00	4,249.00
E	Actuator for OS&Y valve	1	Item	4,249.00	4,249.00
F	Metal cabinet containing the required number of spare sprinkler of each type and each melting point temperature including provision for future sprinkler heads complete as specified	1	Item	1,700.00	1,700.00
	Supply, installation, testing and Commissiong of Supervised valves associated with the fire fighting system, pipework for wet riser, sprinkler pipe work,etc..,complete in accordance with Drawings, specification, Authorities Regulations and Approvals				
	Automatic Zone control valve assembly complete with butterfly valve, pressure gauge, water flow switch, T&D valve etc.. All in accordance with Drawings, specification, Authorities Regulations and Approvals.				
G	150mm Diameter	3	no	2,550.00	7,650.00
H	100mm Diameter	8	no	1,700.00	13,600.00
J	65mm Diameter	1	no	1,275.00	1,275.00
	Carried to Collection				**38,502.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
A	Supply and installation of Valves, NRV, Pressure gauges, controls etc. as specified in the drawing, specification, Authority regulations and approvals. Supply and installation of Fire Extinguisher including supports, fittings, etc. complete as shown on drawings complying Authority requirements.	1	Item	16,995.00	16,995.00
B	Fire extinguisher CO2 10 Kg Trolly type	1	no	850.00	850.00
C	Fire extinguisher dry powder 6 Kg	21	no	425.00	8,925.00
D	Fire extinguisher CO2 5 Kg	21	no	425.00	8,925.00
E	Fire extinguisher dry powder 2 Kg	62	no	255.00	15,810.00
F	Fire Blanket	62	no	170.00	10,540.00
	Fire Pump Set: Fire pumps including control panel, cables, switches, diesel tanks, pressure vessels, accessories, etc., and necessary pipes, valves, flexible connections, fittings, controls, electrical connections and panels complete as shown on drawings and all in accordance with Drawings, specification, Authorities Regulations and Approvals				
G	Main Electric Pump (750 GPM @ 13 Bar)	1	Set	127,463.00	127,463.00
H	Stand By Diesel Pump (750 GPM @ 13 Bar)	1	Set	101,970.00	101,970.00
J	Jockey Pump (10 GPM @ 14 Bar)	1	Set	15,296.00	15,296.00
K	Fuel, Exhaust pipe line with outlet from pump room to exhaust outlet	1	Item	19,545.00	19,545.00
L	Providing, coordinating and fixing 24x7 system including conduiting, wiring, interfacing of such as and not limited to FACP, Gas, water tank, Lift, FM200, fire pump, diesel tank as required by civil defence.	1	Item	8,498.00	8,498.00
	Carried to Collection				**334,817.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
	Supply, Installation, testing and commissioning of Fire hose reel cabinet including hose reels, 6 kg dry powder fire extinguisher, 5 kg CO2 fire extinguisher, pressure reducing valve, landing valve with built PRV, nozzle, Fire hose, fittings, fixtures, etc., complete as per drawings, specification and Authority requirements.				
A	FHRC	22	no	3,824.00	84,128.00
	Supply and installation of Fire Fighting Breeching Inlet with all related valves and accessories in breaching inlet cabinet as shown on the drawings, DCD regulations.				
B	6" x 4 way breeching inlet for Wet Riser system	1	no	1,063.00	1,063.00
C	6" x 4 way breeching inlet for HRP	1	no	1,063.00	1,063.00
D	6" x 4 way breeching inlet for Sprinkler system	1	no	1,063.00	1,063.00
E	6" x 4 way breeching inlet for Tank Filling	1	no	1,063.00	1,063.00
	Supply, Installation testing and commissioning of all type of sprinklers including supports, fittings, etc. complete in accordance with drawings, specifications and Authority Regulation.				
F	Upright Sprinkler head, 79ºC Std.Response	293	no	51.00	14,943.00
G	Upright Sprinkler head, 68ºC Std.Response	73	no	43.00	3,139.00
H	Upright Sprinkler head, 68ºC Quick Response	6	no	51.00	306.00
J	Concealed Sprinkler head, Quick Response	201	no	68.00	13,668.00
K	Sidewall Sprinkler head, Ordinary, Std. Response	30	no	56.00	1,680.00
L	Sidewall Sprinkler head, Ordinary, Quick Response	86	no	56.00	4,816.00
M	1/2" Ext. coverage Sidewall Sprinkler head, Quick Response	62	no	56.00	3,472.00
N	Chute Sprinklers	5	no	51.00	255.00
	Carried to Collection				**130,659.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
	Supply, Installation, testing and commissioning of Clean Agent Systems for following listed areas as per drawings, specifications, Authority Regulation and Approval.				
A	LV Room	1	Item	50,985.00	50,985.00
	Supply, Installation, testing and commissioning of Foam Deluge system for following listed area as per drawings, specifications, Authority Regulation and Approval.				
B	Generator room	1	Item	42,488.00	42,488.00
	Supply, Installation, testing and commissioning of Deluge water spray system for following listed area as per drawings, specifications, Authority Regulation and Approval.				
C	LPG Tank	1	Item	29,742.00	29,742.00
	Carried to Collection				**123,215.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
	Sundries				
A	Allow for fire department connection, complete as per Civil Defence regulations	1	Item	6,798.00	6,798.00
B	Allow for all necessary pipe connections to the water tank including puddle flange and accessories complete as specified	1	Item	1,700.00	1,700.00
C	Allow for all necessary linking between the sprinkler zone control valve tamper switch with the fire panel and expansion joints	1	Item	2,550.00	2,550.00
D	Warranty for all the Fire Fighting system as per contract documents	1	LS	4,249.00	4,249.00
E	Testing and commissioning including operating completed installations and providing fuel, power and water. Cleaning, flushing of piping of all services as per specification and drawing in accordance with local authority requirement.	1	LS	16,995.00	16,995.00
F	Protective/Decorative painting as per specifications, drawings and satisfaction of the Engineer.	1	LS	4,249.00	4,249.00
G	Final connections from services authorities, termination of services, with all fittings, valves, fixtures etc. required to complete the connection.	1	LS	4,249.00	4,249.00
H	Labels, special tools, complete all necessary identification for the services in accordance with authority requirement, specification and drawing.	1	LS	3,399.00	3,399.00
J	Co-ordination and liaison with all local authorities, all involved parties for the project.	1	LS	4,249.00	4,249.00
K	Training for the operation & maintenance staff as nominated by the client.	1	LS	1,700.00	1,700.00
L	All the authorities approvals and acceptance.	1	LS	6,798.00	6,798.00
	Carried to Collection				**56,936.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	FIRE FIGHTING INSTALLATIONS				
	Sundries (Cont'd)				
A	Documents including Shop Drawings, Material Submittal, method statements, Operation and Maintenance manual, Handing over documents and As built drawings.	1	LS	3,399.00	3,399.00
B	Note : Defects liability period for all the MEP works is 1 year other than the warranty / Guarantee of the equipment.	1	LS	3,399.00	3,399.00
	Builders work				
C	Builders work including cutting, chasing, wall and slab cut-outs, sleeves, supports, shafts etc. and making good, complete in accordance with authority regulation, satisfaction of the engineer as per specification and drawing.	1	LS	4,249.00	4,249.00
	Carried to Collection				**11,047.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	DRAINAGE WORKS				
	Underground Pipe Work				
	Supply and installation of uPVC pipes including necessary fittings, supports, sleeves and accessories; excavation, bedding, surround and backfilling; all in accordance with the drawings, specification and project requirement				
A	200mm diameter	42	m	306.00	12,852.00
B	160mm diameter	58	m	272.00	15,776.00
C	110mm diameter	122	m	213.00	25,986.00
D	82mm diameter	76	m	128.00	9,728.00
E	50mm diameter	76	m	81.00	6,156.00
	Supply and installation of HDPE Pressure pipes including necessary fittings, supports, sleeves and accessories; excavation, bedding, surround and backfilling; all in accordance with the drawings, specification and project requirement				
F	110mm diameter	18	m	213.00	3,834.00
G	75mm diameter	36	m	128.00	4,608.00
	Aboveground Pipe Work				
	Soil Pipe work				
	Supply and installation of uPVC soil pipes including necessary fittings, sleeves and accessories, hangers and supports; all in accordance with the drawings, specification and project requirement				
H	160mm diameter	86	m	98.00	8,428.00
J	110mm diameter	140	m	68.00	9,520.00
	Supply and installation of Sound Proof soil pipes inside apartments/above false ceiling, including necessary fittings, sleeves and accessories, hangers and supports; all in accordance with the drawings, specification and project requirement				
K	160mm diameter	26	m	102.00	2,652.00
L	110mm diameter	100	m	77.00	7,700.00
	Carried to Collection				**107,240.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **DRAINAGE WORKS** **Aboveground Pipe Work (Cont'd)** **Waste Pipe Work** Supply and installation of UPVC waste pipes, necessary fittings, sleeves and accessories, hangers and supports; all in accordance with the drawings, specification and project requirement.				
A	50mm diameter	46	m	26.00	1,196.00
B	82mm diameter	850	m	64.00	54,400.00
C	110mm diameter	302	m	98.00	29,596.00
D	160mm diameter	1170	m	102.00	119,340.00
	Supply and installation of Sound proof pipe inside apartments, above false ceiling and occupied areas, including necessary fittings, sleeves and accessories, hangers and supports; all in accordance with the drawings, specification and project requirement.				
E	50mm diameter	468	m	39.00	18,252.00
F	82mm diameter	264	m	64.00	16,896.00
G	110mm diameter	256	m	98.00	25,088.00
H	160mm diameter	30	m	102.00	3,060.00
	Supply and installation of HDPE swimming pool back wash pipe including necessary fittings, supports, sleeves and accessories; all in accordance with the drawings, specification and project requirement.				
J	82mm diameter	92	m	64.00	5,888.00
	Carried to Collection				**273,716.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **DRAINAGE WORKS** **Vent Pipe Work** Supply and installation of UPVC vent pipes including necessary fittings and accessories, hangers and supports; all in accordance with the drawings and specification (The Vent Pipe shall go above the roof to be protected with flashing).				
A	110mm diameter	482	m	47.00	22,654.00
B	50mm diameter	534	m	39.00	20,826.00
	Rainwater Pipe Work Supply and installation of UPVC rainwater pipes including necessary fittings and accessories, vent cowl, hangers and supports; all in accordance with the drawings specification and project requirement (The rain water down pipes shall not be located adjacent to the DB).				
C	110mm diameter	518	m	47.00	24,346.00
	Supply and installation of Sound Proof Rainwater pipes including necessary fittings and accessories, hangers and supports; all in accordance with the drawings specification and project requirement				
D	110mm diameter	22	m	98.00	2,156.00
	Condensate Drain Pipe Work Supply and installation of FAHU Condensate Drain pipe including necessary fittings and accessories, Insulation, hangers and supports; all in accordance with the drawings specification and project requirement.				
E	82mm diameter	50	m	26.00	1,300.00
F	Supply and installation of FCU Condensate Drain pipe including necessary fittings and accessories, Insulation, hangers and supports; all in accordance with the drawings specification and project requirement.	1	Item	5,949.00	5,949.00
	Carried to Collection				**77,231.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	DRAINAGE WORKS				
	Valves and Accessories Supply and installation of the following valves and accessories; all in accordance with the drawings and specification				
	Isolation Valves				
A	75mm diameter	2	no	263.00	526.00
B	110mm diameter	3	no	429.00	1,287.00
	Non Return Valves				
C	75mm diameter	2	no	316.00	632.00
D	110mm diameter	3	no	349.00	1,047.00
	Accessories Supply and installation of following sanitary items and accessories; all in accordance with the drawings, specification and project requirement				
E	Floor Drain Cover	237	no	124.00	29,388.00
	Floor Clean Out				
F	82mm diameter FCO	4	no	102.00	408.00
G	110mm diameter FCO	6	no	124.00	744.00
H	160mm diameter FCO	8	no	170.00	1,360.00
J	Rain Water Outlet	28	no	243.00	6,804.00
K	Rodding Eye	1	Item	4,249.00	4,249.00
L	Vent Cowl	13	no	43.00	559.00
M	Balcony Drain cover	87	no	68.00	5,916.00
N	Swimming pool deck drain	7	no	85.00	595.00
P	Funnel Drain	1	no	128.00	128.00
	Carried to Collection				**53,643.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	DRAINAGE WORKS				
	Accessories (Cont'd)				
	Velocity Breaker				
A	160mm dia Velocity Breaker	26	no	655.00	17,030.00
B	100mm dia Velocity Breaker	13	no	519.00	6,747.00
	Supply and installation of Manhole covers, Chambers, sump pit, gully trap, sand trap, Catch basin, including SS name; all in accordance with the drawings, specification, Authority requirements and Project requirement.				
C	Manhole Covers	3	no	587.00	1,761.00
D	Gully Trap	4	no	447.00	1,788.00
E	Catch Basin	16	no	825.00	13,200.00
F	Sand trap	4	no	1,033.00	4,132.00
G	FIC	1	no	595.00	595.00
H	Sump Pit	1	no	1,700.00	1,700.00
J	Channel Grating	42	m	243.00	10,206.00
K	Valve Chamber	1	no	1,488.00	1,488.00
L	Pressure Breaking Manhole	1	no	3,098.00	3,098.00
	Carried to Collection				**61,745.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	DRAINAGE WORKS				
	SUNDRIES				
A	Identification including plates, discs, labels, Colour coding and the like	1	Item	2,550.00	2,550.00
B	Testing and commissioning including operating completed installations and providing fuel, power and water	1	Item	10,197.00	10,197.00
C	Documents including Shop drawings, Material submittal, Method statement, Operation and maintenance manuals, Handing over documents and As built drawings.	1	Item	4,249.00	4,249.00
D	Allow for Swimming pool back wash	1	Item	1,700.00	1,700.00
E	Co-ordination and liaison with local authority	1	Item	3,399.00	3,399.00
F	Builders work including cutting, chasing, wall and slab cut-outs, sleeves, supports, shafts etc. and making good, complete in accordance with authority regulation, satisfaction of the engineer as per specification and drawing.	1	Item	16,995.00	16,995.00
	Incidental Work				
G	Co-ordination with other engineering installations	1	Item	4,249.00	4,249.00
H	Cutting or forming holes, mortices, chases and the like and making good finishing's	1	Item	12,747.00	12,747.00
J	Building in or cutting and pinning brackets and the like and making good finishing's	1	Item	12,747.00	12,747.00
	Carried to Collection				**68,833.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	Supply, installation, testing and commissioning of GI duct work including necessary turning vanes, flexible ducts, fittings, supports and accessories; all in accordance with the drawings, specification and project requirement				
A	Supply air duct work	821	m²	102.00	83,742.00
B	Return air duct work	10	m²	102.00	1,020.00
C	Fresh air duct work	1036	m²	102.00	105,672.00
D	Extract air duct work	914	m²	102.00	93,228.00
E	Garbage air duct	62	m²	102.00	6,324.00
F	Smoke Extract ducting (Fire rated)	1055	m²	119.00	125,545.00
G	Makeup air ducting (Fire rated)	938	m²	119.00	111,622.00
	Acoustic Lining				
H	Supply and installation of Acoustic lining in air conditioning ducts in various sections; all in accordance with the drawings, specification and Authority requirements	1	Item	12,747.00	12,747.00
	Flexible Ducts Supply and installation of Flexible ducts connection from rectangular ducts to accessories in various sizes; all in accordance with the drawings, specification wherever it is applicable for the project.				
J	100mm diameter	1	Item	42,488.00	42,488.00
K	150mm diameter	1	Item	42,488.00	42,488.00
	Carried to Collection				**624,876.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	Duct Accessories				
	Supply and installation of diffusers and Grilles including all necessary accessories and duct connection; all in accordance with the drawings, specification and project requirement				
	Extract Air Diffuser				
A	Extract Air Diffuser, Size - 150x150mm	62	no	187.00	11,594.00
B	Disc valve diffuser, Size - 150mm Dia	129	no	153.00	19,737.00
	Garbage Extract Diffuser				
C	Garbage Extract Diffuser, Size - 150x150mm	11	no	213.00	2,343.00
	Smoke Extract Diffuser				
D	Decorative Smoke Extract Diffuser, Size - 400x200mm	8	no	383.00	3,064.00
	Supply Air Linear slot diffuser				
E	Supply Air Linear slot diffuser	124	m	83.00	10,292.00
	Return Air Linear slot diffuser				
F	Return Air Linear slot diffuser	194	m	57.00	11,058.00
	Supply Air Grille				
G	Supply Air Grille, Size - 150x100mm	16	no	85.00	1,360.00
H	Ditto, Size - 400x200mm	2	no	85.00	170.00
J	Ditto, Size - 550x250mm	1	no	102.00	102.00
	Return Air Grille				
K	Return Air Grille, Size - 150x100mm	16	no	77.00	1,232.00
L	Ditto, Size - 400x200mm	2	no	77.00	154.00
M	Ditto, Size - 550x250mm	1	no	94.00	94.00
	Combined Supply Air and Return Air Grille				
N	Combined Supply Air and Return Air Grille, Size - 3000x100mm	139	m	213.00	29,607.00
	Carried to Collection				**90,807.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	Duct Accessories (Cont'd)				
	Smoke Extract Grille				
A	Smoke Extract Grille, Size - 300x550mm	14	no	153.00	2,142.00
B	Smoke Extract Grille, Size - 550x300mm	49	no	153.00	7,497.00
	Makeup Air Grille				
C	Decorative Makeup Air Grille, Size - 300x200mm	8	no	153.00	1,224.00
D	Makeup Air Grille, Size - 700x300mm	36	no	170.00	6,120.00
	Staircase Pressurization Grille				
E	Staircase Pressurization Grille, Size - 600x350mm	11	no	187.00	2,057.00
	Carried to Collection				**19,040.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **Duct Accessories (Cont'd)** Supply and installation of Louver, Sand Trap including all necessary accessories and duct connection; all in accordance with the drawings, specification and project requirement.				
A	Fresh Air Intake Louver with Sand trap - 2000x1600 (FAHU)	1	no	1,275.00	1,275.00
B	Extract Air Louver - 1500x1000 (FAHU)	1	no	1,148.00	1,148.00
C	Extract Air Louver - 700x300 (GEF)	1	no	362.00	362.00
D	Smoke Extract Louver - 0.3 m² (SEF-01)	1	no	362.00	362.00
E	Smoke Extract Louver - 8 m² (CPSEF-01, CPSEF-02)	2	no	1,275.00	2,550.00
F	Extract Air Louver - 300x300 (EAF-02)	1	no	366.00	366.00
G	Extract Air Louver - 300x300 (EAF-03)	1	no	366.00	366.00
H	Extract Air Louver - 300x300 (EAF-04)	1	no	366.00	366.00
J	Fresh Air Intake Louver with Sand Trap- 0.3 m² (MAF-01)	1	no	425.00	425.00
K	Fresh Air Intake Louver with Sand Trap - 8 m² (CPMAF-01)	1	no	1,275.00	1,275.00
L	Fresh Air Intake Louver with Sand Trap - 10 m² (LPF-01)	1	no	5,524.00	5,524.00
M	Fresh Air Intake Louver with Sand Trap - 6 m² (SPF-01, SPF-02)	2	no	1,275.00	2,550.00
N	**Sound Attenuators:** Supply, installation, testing and commissioning of Sound Attenuator as per specifications and shown in the drawings.	1	Item	2,975.00	2,975.00
	Carried to Collection				**19,544.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** Supply and installation of following duct accessories including all necessary accessories and duct connection; all in accordance with the drawings and specification Volume Control Dampers				
A	Volume Control Dampers, Size - 150x150mm	73	no	55.00	4,015.00
B	Ditto, Size - 200x100mm	317	no	55.00	17,435.00
C	Ditto, Size - 200x150mm	40	no	55.00	2,200.00
D	Ditto, Size - 250x100mm	6	no	55.00	330.00
E	Ditto, Size - 250x150mm	47	no	55.00	2,585.00
F	Ditto, Size - 300x150mm	6	no	57.00	342.00
G	Ditto, Size - 300x200mm	1	no	58.00	58.00
H	Ditto, Size - 350x200mm	4	no	58.00	232.00
J	Ditto, Size - 350x250mm	6	no	66.00	396.00
K	Ditto, Size - 300x550mm	14	no	66.00	924.00
L	Ditto, Size - 400x200mm	30	no	68.00	2,040.00
M	Ditto, Size - 400x250mm	18	no	68.00	1,224.00
N	Ditto, Size - 450x200mm	17	no	68.00	1,156.00
P	Ditto, Size - 450x250mm	3	no	68.00	204.00
Q	Ditto, Size - 500x250mm	1	no	94.00	94.00
R	Ditto, Size - 550x250mm	1	no	102.00	102.00
S	Ditto, Size - 550x300mm	47	no	107.00	5,029.00
T	Ditto, Size - 700x300mm	36	no	126.00	4,536.00
	Carried to Collection				**42,902.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	Duct Accessories (Cont'd)				
	Fire Damper				
A	Fire Damper, Size - 200x100mm	28	no	99.00	2,772.00
B	Ditto, Size - 200x150mm	2	no	102.00	204.00
C	Ditto, Size - 250x150mm	124	no	109.00	13,516.00
D	Ditto, Size - 300x150mm	1	no	111.00	111.00
E	Ditto, Size - 350x200mm	1	no	114.00	114.00
F	Ditto, Size - 400x300mm	2	no	124.00	248.00
G	Ditto, Size - 450x300mm	1	no	130.00	130.00
H	Ditto, Size - 500x250mm	1	no	135.00	135.00
J	Ditto, Size - 550x300mm	8	no	150.00	1,200.00
K	Ditto, Size - 600x300mm	7	no	166.00	1,162.00
L	Ditto, Size - 1150x650mm	1	no	289.00	289.00
M	Ditto, Size - 1300x700mm	1	no	340.00	340.00
	Motorized Damper				
N	Motorized Damper, Size - 500x250mm	1	no	543.00	543.00
P	Ditto, Size - 350x200mm	2	no	496.00	992.00
Q	Ditto, Size - 1200x600mm	2	no	1,127.00	2,254.00
R	Ditto, Size - 1300x700mm	1	no	1,127.00	1,127.00
S	Ditto, Size - 1400x750mm	1	no	1,615.00	1,615.00
	Carried to Collection				**26,752.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	Duct Accessories (Cont'd)				
	Motorized Smoke Damper				
A	Motorized Smoke Damper, Size - 1300x700mm	2	no	1,446.00	2,892.00
B	Ditto, Size - 1600x850mm	1	no	1,612.00	1,612.00
C	Ditto, Size - 400x200mm	1	no	491.00	491.00
D	Ditto, Size - 300x200mm	9	no	486.00	4,374.00
	Motorized Smoke Fire Damper				
E	Motorized Smoke Fire Damper, Size - 500x250mm	2	no	543.00	1,086.00
F	Ditto, Size - 350x200mm	4	no	496.00	1,984.00
	Non Return Damper				
G	Non Return Damper, Size-300x200mm	1	no	128.00	128.00
H	Ditto, Size-200x100mm	1	no	102.00	102.00
J	Ditto, Size-350x200mm	1	no	128.00	128.00
K	Ditto, Size-400x200mm	3	no	128.00	384.00
L	Ditto, Size-1150x650mm	1	no	430.00	430.00
M	Ditto, Size-1200x600mm	2	no	434.00	868.00
N	Ditto, Size-1300x700mm	2	no	443.00	886.00
P	Ditto, Size-1400x750mm	1	no	530.00	530.00
Q	Ditto, Size-1600x850mm	1	no	530.00	530.00
R	Access door	1	Item	25,493.00	25,493.00
S	Duct accessories such as duct insulation, adhesive, acoustic linear and foster etc. to complete duct work as per DM & ASHRAE standard	1	Item	12,747.00	12,747.00
	Carried to Collection				**54,665.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	Refrigerant pipe work for VRV system & DX systems including insulation, supports fittings, fixtures etc., complete as per drawings, manufacturer recommendations and specifications.				
A	Refrigerant pipe	1	Item	21,244.00	21,244.00
	Supply, installation, testing and Commissioning of valves including fitting, final connection and accessories; complete to Engineers approval, manufacturer recommendation, drawings and specification.				
B	Valves and accessories	1	Item	6,798.00	6,798.00
C	Aluminium cladding and Vapour Barrier coating as specified for Refrigerant pipework	1	Item	10,197.00	10,197.00
	EQUIPMENT Supply, install, testing and commissioning of VRV & DX system including all necessary fittings, accessories which includes Ducted Split type units, Decorative units with all necessary supporting system, vibration isolators, associated Refrigerant piping, electrical requirements, fixing and fitting complete; all in accordance with the drawings, specifications and approved heat load calculation (preliminary heat load calculation issued for tender. Final design load calculation to be submit by contractor and same to get approval from consultant)				
	Ducted Fan Coil unit, Decorative units complete with all accessories, controls, etc.				
	Ground Floor				
D	Ref: FCU-GF-01	1	no	2,091.00	2,091.00
E	Ref: FCU-GF-02	1	no	2,091.00	2,091.00
F	Ref: FCU-GF-03	1	no	2,091.00	2,091.00
G	Ref: FCU-GF-04	1	no	2,091.00	2,091.00
	Carried to Collection				**46,603.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** Ducted Fan Coil unit, Decorative units complete with all accessories, controls, etc.(Cont'd) Ground Floor (Cont'd)				
A	Ref: FCU-GF-05	1	no	2,091.00	2,091.00
	Podium-01				
B	Ref: FCU-P1-01	1	no	2,091.00	2,091.00
	Podium-02				
C	Ref: FCU-P2-01	1	no	2,091.00	2,091.00
	1st Floor				
D	Ref: FCU-101-A	1	no	2,091.00	2,091.00
E	Ref: FCU-101-B	1	no	2,091.00	2,091.00
F	Ref: FCU-102-A	1	no	2,091.00	2,091.00
G	Ref: FCU-102-B	1	no	2,091.00	2,091.00
H	Ref: FCU-102-C	1	no	2,091.00	2,091.00
J	Ref: FCU-103-A	1	no	2,091.00	2,091.00
K	Ref: FCU-103-B	1	no	2,091.00	2,091.00
L	Ref: FCU-104-A	1	no	2,091.00	2,091.00
M	Ref: FCU-104-B	1	no	2,091.00	2,091.00
N	Ref: FCU-105-A	1	no	2,091.00	2,091.00
P	Ref: FCU-105-B	1	no	2,091.00	2,091.00
Q	Ref: FCU-106-A	1	no	2,091.00	2,091.00
R	Ref: FCU-106-B	1	no	2,091.00	2,091.00
	Carried to Collection				**33,456.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** Ducted Fan Coil unit, Decorative units complete with all accessories, controls, etc.(Cont'd) 1st Floor (Cont'd)				
A	Ref: FCU-107-A	1	no	2,091.00	2,091.00
B	Ref: FCU-1F-CORR-01	1	no	2,091.00	2,091.00
	2nd, 4th and 6th Floor				
C	Ref: FCU-201,401&601-A	3	no	2,091.00	6,273.00
D	Ref: FCU-201,401&601-B	3	no	2,091.00	6,273.00
E	Ref: FCU-201,401&601-C	3	no	2,091.00	6,273.00
F	Ref: FCU-202,402&602-A	3	no	2,091.00	6,273.00
G	Ref: FCU-202,402&602-B	3	no	2,091.00	6,273.00
H	Ref: FCU-203,403&603-A	3	no	2,091.00	6,273.00
J	Ref: FCU-203,403&603-B	3	no	2,091.00	6,273.00
K	Ref: FCU-203,403&603-C	3	no	2,091.00	6,273.00
L	Ref: FCU-204,404&604-A	3	no	2,091.00	6,273.00
M	Ref: FCU-204,404&604-B	3	no	2,091.00	6,273.00
N	Ref: FCU-205,405&605-A	3	no	2,091.00	6,273.00
P	Ref: FCU-205,405&605-B	3	no	2,091.00	6,273.00
Q	Ref: FCU-206,406&606-A	3	no	2,091.00	6,273.00
R	Ref: FCU-206,406&606-B	3	no	2,091.00	6,273.00
S	Ref: FCU-207,407&607-A	3	no	2,091.00	6,273.00
	Carried to Collection				**98,277.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** Ducted Fan Coil unit, Decorative units complete with all accessories, controls, etc.(Cont'd) 2nd, 4th and 6th Floor (Cont'd)				
A	Ref: FCU-207,407&607-B	3	no	2,091.00	6,273.00
B	Ref: FCU-208,408&608-A	3	no	2,091.00	6,273.00
C	Ref: FCU-208,408&608-B	3	no	2,091.00	6,273.00
D	Ref: FCU-2F,4F&6F-CORR-01	3	no	2,091.00	6,273.00
	3rd, 5th and 7th Floor				
E	Ref: FCU-301,501&701-A	3	no	2,091.00	6,273.00
F	Ref: FCU-301,501&701-B	3	no	2,091.00	6,273.00
G	Ref: FCU-301,501&701-C	3	no	2,091.00	6,273.00
H	Ref: FCU-302,502&702-A	3	no	2,091.00	6,273.00
J	Ref: FCU-302,502&702-B	3	no	2,091.00	6,273.00
K	Ref: FCU-303,503&703-A	3	no	2,091.00	6,273.00
L	Ref: FCU-303,503&703-B	3	no	2,091.00	6,273.00
M	Ref: FCU-303,503&703-C	3	no	2,091.00	6,273.00
N	Ref: FCU-304,504&704-A	3	no	2,091.00	6,273.00
P	Ref: FCU-304,504&704-B	3	no	2,091.00	6,273.00
Q	Ref: FCU-305,505&705-A	3	no	2,091.00	6,273.00
R	Ref: FCU-305,505&705-B	3	no	2,091.00	6,273.00
S	Ref: FCU-306,506&706-A	3	no	2,091.00	6,273.00
	Carried to Collection				**106,641.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** Ducted Fan Coil unit, Decorative units complete with all accessories, controls, etc.(Cont'd) 3rd, 5th and 7th Floor (Cont'd)				
A	Ref: FCU-306,506&706-B	3	no	2,091.00	6,273.00
B	Ref: FCU-307,507&707-A	3	no	2,091.00	6,273.00
C	Ref: FCU-307,507&707-B	3	no	2,091.00	6,273.00
D	Ref: FCU-308,508&708-A	3	no	2,091.00	6,273.00
E	Ref: FCU-308,508&708-B	3	no	2,091.00	6,273.00
F	Ref: FCU-3F,5F&7F-CORR-01	3	no	2,091.00	6,273.00
	8th Floor				
G	Ref: FCU-801-A	1	no	2,091.00	2,091.00
H	Ref: FCU-801-B	1	no	2,091.00	2,091.00
J	Ref: FCU-801-C	1	no	2,091.00	2,091.00
K	Ref: FCU-802-A	1	no	2,091.00	2,091.00
L	Ref: FCU-802-B	1	no	2,091.00	2,091.00
M	Ref: FCU-803-A	1	no	2,091.00	2,091.00
N	Ref: FCU-803-B	1	no	2,091.00	2,091.00
P	Ref: FCU-803-C	1	no	2,091.00	2,091.00
Q	Ref: FCU-804-A	1	no	2,091.00	2,091.00
R	Ref: FCU-804-B	1	no	2,091.00	2,091.00
S	Ref: FCU-805-A	1	no	2,091.00	2,091.00
	Carried to Collection				**60,639.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** Ducted Fan Coil unit, Decorative units complete with all accessories, controls, etc.(Cont'd) 8th Floor (Cont'd)				
A	Ref: FCU-805-B	1	no	2,091.00	2,091.00
B	Ref: FCU-806-A	1	no	2,091.00	2,091.00
C	Ref: FCU-806-B	1	no	2,091.00	2,091.00
D	Ref: FCU-807-A	1	no	2,091.00	2,091.00
E	Ref: FCU-807-B	1	no	2,091.00	2,091.00
F	Ref: FCU-808-A	1	no	2,091.00	2,091.00
G	Ref: FCU-808-B	1	no	2,091.00	2,091.00
H	Ref: FCU-8F-CORR-01	1	no	2,091.00	2,091.00
	Carried to Collection				**16,728.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** VRF Outdoor units complete with all accessories, controls, etc.				
A	Ref: FAHU-ODU	1	no	15,296.00	15,296.00
B	Ref: GF/PF-VRV-ODU	1	no	15,296.00	15,296.00
C	Ref: 1F-VRV-ODU-101	1	no	15,296.00	15,296.00
D	Ref: 1F-VRV-ODU-102	1	no	15,296.00	15,296.00
E	Ref: 1F-VRV-ODU-103	1	no	15,296.00	15,296.00
F	Ref: 1F-VRV-ODU-104	1	no	15,296.00	15,296.00
G	Ref: 1F-VRV-ODU-105	1	no	15,296.00	15,296.00
H	Ref: 1F-VRV-ODU-106	1	no	15,296.00	15,296.00
J	Ref: 2F,4F&6F-VRV-ODU-01	3	no	15,296.00	45,888.00
K	Ref: 2F,4F&6F-VRV-ODU-02	3	no	15,296.00	45,888.00
L	Ref: 2F,4F&6F-VRV-ODU-03	3	no	15,296.00	45,888.00
M	Ref: 2F,4F&6F-VRV-ODU-04	3	no	15,296.00	45,888.00
N	Ref: 2F,4F&6F-VRV-ODU-05	3	no	15,296.00	45,888.00
P	Ref: 2F,4F&6F-VRV-ODU-06	3	no	15,296.00	45,888.00
Q	Ref: 2F,4F&6F-VRV-ODU-07	3	no	15,296.00	45,888.00
R	Ref: 2F,4F&6F-VRV-ODU-08	3	no	15,296.00	45,888.00
S	Ref: 3F,5F&7F-VRV-ODU-01	3	no	15,296.00	45,888.00
T	Ref: 3F,5F&7F-VRV-ODU-02	3	no	15,296.00	45,888.00
	Carried to Collection				**581,248.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** VRF Outdoor units complete with all accessories, controls, etc. (Cont'd)				
A	Ref: 3F,5F&7F-VRV-ODU-03	3	no	15,296.00	45,888.00
B	Ref: 3F,5F&7F-VRV-ODU-04	3	no	15,296.00	45,888.00
C	Ref: 3F,5F&7F-VRV-ODU-05	3	no	15,296.00	45,888.00
D	Ref: 3F,5F&7F-VRV-ODU-06	3	no	15,296.00	45,888.00
E	Ref: 3F,5F&7F-VRV-ODU-07	3	no	15,296.00	45,888.00
F	Ref: 3F,5F&7F-VRV-ODU-08	3	no	15,296.00	45,888.00
G	Ref: 8F-VRV-ODU-801	1	no	15,296.00	15,296.00
H	Ref: 8F-VRV-ODU-802	1	no	15,296.00	15,296.00
J	Ref: 8F-VRV-ODU-803	1	no	15,296.00	15,296.00
K	Ref: 8F-VRV-ODU-804	1	no	15,296.00	15,296.00
L	Ref: 8F-VRV-ODU-805	1	no	15,296.00	15,296.00
M	Ref: 8F-VRV-ODU-806	1	no	15,296.00	15,296.00
N	Ref: 8F-VRV-ODU-807	1	no	15,296.00	15,296.00
P	Ref: 8F-VRV-ODU-808	1	no	15,296.00	15,296.00
Q	Ref: COMM.AREA-VRV-ODU	1	no	15,296.00	15,296.00
	Carried to Collection				**412,992.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	EQUIPMENT				
	DX Unit - Ducted Fan Coil unit, Decorative units, Out Door Unit complete with all accessories, controls, etc.				
	Ground Floor				
A	Ref: DU-GF-01 and ODU	1	no	10,197.00	10,197.00
	Podium-01				
B	Ref: DU-P1-02 and ODU	1	no	10,197.00	10,197.00
	Podium-02				
C	Ref: DU-P2-02 and ODU	1	no	10,197.00	10,197.00
	Roof				
D	Ref: DU-RF-01 and ODU	1	no	10,197.00	10,197.00
	Air Curtain				
E	Supply, installation, testing and commissioning of Air Curtain complete with all accessories as shown in the drawing, specification and project requirements.	1	no	2,380.00	2,380.00
	Carried to Collection				**43,168.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** **FRESH AIR HANDLING UNIT** Supply, installation, testing and Commissioning of complete FAHU: including hoisting and setting in positions, condensate drain piping, refrigerant piper pipe work, connection to the duct work, necessary valves, strainers, fittings, wiring, controls, flexible connections, vibration isolators, heat recovery wheel with horse shoe heat pipe; all in accordance with the manufacturer's recommendations including final electrical connection; complete to Engineers approval and as shown on drawings and specification.				
A	FAHU	1	no	106,219.00	106,219.00
B	Supply, installation, testing and commissioning of Electrostatic Filter complete with all accessories as shown in the drawing and specification.	1	no	7,223.00	7,223.00
C	Supply, installation, testing and commissioning of Air Flow Meter with Alarm complete with all accessories as shown in the drawing and specification.	1	no	1,275.00	1,275.00
	Thermostat Supply, installation, testing and commissioning of Digital Thermostats including electrical connections, containments, control wiring and all necessary fittings and accessories; all in accordance with drawings, specification, project requirement and local authority requirements.				
D	Digital Thermostat	159	no	255.00	40,545.00
	Carried to Collection				**155,262.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **AIR CONDITIONING SYSTEM** **EQUIPMENT** Supply and installation of complete Equipment: including hoisting and setting in positions, with bird net & back draft shutter including louvers, necessary dampers, vibration isolators, Sand trap louvers, control panel and associated accessories, flexible connection to duct work and electrical connection with automatic change over switch and connected to fire alarm system.: complete to Engineers approval and shown on drawings and specification.				
	Staircase pressurization fan				
A	SPF-01	1	no	10,197.00	10,197.00
B	SPF-02	1	no	10,197.00	10,197.00
	Lift well pressurization fan				
C	LPF-01	1	no	12,747.00	12,747.00
	Corridor smoke extract fan				
D	SEF-01	1	no	8,073.00	8,073.00
	Corridor make up air fan				
E	MAF-01	1	no	8,073.00	8,073.00
	Car parking ventilation fans				
F	CPSEF-01	1	no	25,493.00	25,493.00
G	CPSEF-02	1	no	25,493.00	25,493.00
H	CPMAF-01	1	no	25,493.00	25,493.00
	Extract air Fans				
J	EAF-02	1	no	5,524.00	5,524.00
K	EAF-03	1	no	5,524.00	5,524.00
L	EAF-04	1	no	5,524.00	5,524.00
	Garbage Extract Fan (GEF)				
M	EAF-01	1	no	5,524.00	5,524.00
	Carried to Collection				**147,862.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	AIR CONDITIONING SYSTEM				
	SUNDRIES				
A	Identification including plates, discs, labels, Colour coding and the like	1	Item	4,249.00	4,249.00
B	Testing and commissioning including operating completed installations and providing fuel and power.	1	Item	21,244.00	21,244.00
C	Documents including Shop drawings, Coordination drawings, Material submittal, Method statement, Operation and maintenance manuals, Handing over documents and As built drawings.	1	Item	5,099.00	5,099.00
D	Co-ordination and liaison with local authority	1	Item	5,099.00	5,099.00
E	Builders work including cutting, chasing, wall and slab cut-outs, sleeves, supports, shafts etc. and making good, complete in accordance with authority regulation, satisfaction of the engineer as per specification and drawing.	1	Item	16,995.00	16,995.00
	Incidental Work				
F	Co-ordination with other engineering installations	1	Item	8,498.00	8,498.00
G	Cutting or forming holes, mortices, chases and the like and making good finishing's	1	Item	12,747.00	12,747.00
H	Building in or cutting and pinning brackets and the like and making good finishing's	1	Item	12,747.00	12,747.00
	Carried to Collection				**86,678.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	LPG SYSTEM				
	Supply, install, testing and commissioning of LPG system including all necessary fittings, accessories all in accordance with the drawings, specifications and DCD requirement				
A	Ball check valve	1	Item	1,275.00	1,275.00
B	Multi valve assembly	1	Item	1,275.00	1,275.00
C	Fixed level gauge	1	Item	1,275.00	1,275.00
D	Safety relief valve	1	Item	1,275.00	1,275.00
E	Excess flow valve	1	Item	1,275.00	1,275.00
F	Pressure gauges	1	Item	1,275.00	1,275.00
	Supply, Installation, testing and commissioning of LPG Tank complete with all necessary fittings, accessories, valves all in accordance with the drawings, specifications and approved drawing as per DCD requirement				
G	LPG Tank 500 Gal	1	No	21,244.00	21,244.00
	Liquid filling line				
H	Safety pressure relief valve	1	Item	680.00	680.00
J	Double check filter valve	1	Item	680.00	680.00
K	Back check valve	1	Item	680.00	680.00
L	Ball Valve	1	Item	680.00	680.00
M	1 1/4" Seamless carbon steel pipe sch 80	66	m	170.00	11,220.00
N	3/4" Seamless carbon steel pipe sch 40	66	m	128.00	8,448.00
P	Aluminium protection box	1	Item	1,275.00	1,275.00
Q	High pressure regulator	1	Item	850.00	850.00
	Carried to Collection				**53,407.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	LPG SYSTEM				
	Liquid filling line (Cont'd)				
A	Pressure gauge	1	Item	255.00	255.00
B	SS ball valve	1	Item	213.00	213.00
	Gas Supply Line				
C	1" CS seamless Pipe with fittings and support	382	m	73.00	27,886.00
D	1 1/2" CS seamless Pipe with fittings and support	34	m	85.00	2,890.00
E	1" CS seamless Pipe In Pipe with fittings and support	12	m	136.00	1,632.00
F	1/2" CS seamless Pipe In Pipe with fittings and support	186	m	73.00	13,578.00
G	15mm Copper pipe and fittings inside kitchen with pipe fittings and support	250	m	56.00	14,000.00
H	1 1/2" Isolation Valve	1	no	255.00	255.00
J	1 1/4" Isolation Valve	1	no	213.00	213.00
K	1" Isolation Valve	8	no	196.00	1,568.00
L	Gas detectors in shaft	8	no	808.00	6,464.00
M	Pipe In Pipe Gas detector	8	no	1,020.00	8,160.00
	Kitchen Connection				
N	Solenoid valve	62	no	255.00	15,810.00
P	Low pressure Regulator	62	no	170.00	10,540.00
Q	Domestic gas detector	62	no	723.00	44,826.00
R	Gas meter	62	no	425.00	26,350.00
S	Quick close valve	62	no	213.00	13,206.00
T	Emergency On/Off Switch	62	no	128.00	7,936.00
	Carried to Collection				**195,782.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	LPG SYSTEM				
A	Gas control panel	1	Item	5,524.00	5,524.00
B	Explosion proof gas detector	1	Item	1,275.00	1,275.00
C	Lockable Enclosure with Emergency gas switches	8	Item	1,020.00	8,160.00
D	Preparation of drawing and getting approval from Civil Defence	1	Item	4,249.00	4,249.00
E	Co-ordination with Civil Defence to get the final Civil Defence approval and arranging the gas system to the civil Defence panels as per requirement of the civil Defence	1	Item	4,249.00	4,249.00
	Carried to Collection				**23,457.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	SUNDRIES				
A	Identification including plates, discs, labels, Colour coding and the like	1	Item	2,125.00	2,125.00
B	Testing and commissioning including operating completed installations and providing fuel and power.	1	Item	1,700.00	1,700.00
C	Documents including Shop Drawings, Material Submittal, method statements, Operation & Maintenance, Handing over documents and as built drawings.	1	Item	3,399.00	3,399.00
D	Co-ordination and liaison with local authority	1	Item	5,099.00	5,099.00
E	Builders work including cutting, chasing, wall and slab cut-outs, sleeves, supports, shafts etc. and making good, complete in accordance with authority regulation, satisfaction of the engineer as per specification and drawing.	1	Item	16,995.00	16,995.00
	Incidental Work				
F	Co-ordination with other engineering installations	1	Item	4,249.00	4,249.00
G	Cutting or forming holes, mortices, chases and the like and making good finishing's	1	Item	12,747.00	12,747.00
H	Building in or cutting and pinning brackets and the like and making good finishing's	1	Item	12,747.00	12,747.00
	Carried to Collection				**59,061.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **COLLECTION**				
	Page From 15/01				111,840.00
	Page From 15/02				75,834.00
	Page From 15/03				47,516.00
	Page From 15/04				54,211.00
	Page From 15/05				35,646.00
	Page From 15/06				56,832.00
	Page From 15/07				95,726.00
	Page From 15/08				154,147.00
	Page From 15/09				35,521.00
	Page From 15/10				123,745.00
	Page From 15/11				4,599.00
	Page From 15/12				79,752.00
	Page From 15/13				245,531.00
	Page From 15/14				38,502.00
	Page From 15/15				334,817.00
	Page From 15/16				130,659.00
	Page From 15/17				123,215.00
	Page From 15/18				56,936.00
	Page From 15/19				11,047.00
	TOTAL CARRIED FORWARD TO NEXT PAGE				**1,816,076.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd)				
	COLLECTION				
	Total Brought Forward from Previous Page				1,816,076.00
	Page From 15/20				107,240.00
	Page From 15/21				273,716.00
	Page From 15/22				77,231.00
	Page From 15/23				53,643.00
	Page From 15/24				61,745.00
	Page From 15/25				68,833.00
	Page From 15/26				624,876.00
	Page From 15/27				90,807.00
	Page From 15/28				19,040.00
	Page From 15/29				19,544.00
	Page From 15/30				42,902.00
	Page From 15/31				26,752.00
	Page From 15/32				54,665.00
	Page From 15/33				46,603.00
	Page From 15/34				33,456.00
	Page From 15/35				98,277.00
	Page From 15/36				106,641.00
	Page From 15/37				60,639.00
	TOTAL CARRIED FORWARD TO NEXT PAGE				**3,682,686.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. MECHANICAL			BILL NO:15
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 15-MECHANICAL (Cont'd) **COLLECTION**				
	Total Brought Forward from Previous Page				3,682,686.00
	Page From 15/38				16,728.00
	Page From 15/39				581,248.00
	Page From 15/40				412,992.00
	Page From 15/41				43,168.00
	Page From 15/42				155,262.00
	Page From 15/43				147,862.00
	Page From 15/44				86,678.00
	Page From 15/45				53,407.00
	Page From 15/46				195,782.00
	Page From 15/47				23,457.00
	Page From 15/48				59,061.00
	DIVISION 15-MECHANICAL INSTALLATION CARRIED TO GENERAL SUMMARY				**5,458,331.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL The Works shall be as per DEWA Requirement and General requirements regarding the Green Building as per Authority regulations The routing of the cables/accessories/other required fittings etc., on the drawings are indicative only. Contractor to submit the required shop drawings according to design drawing, as per site condition, etc. **ELECTRICAL SYSTEM** **POWER SYSTEM** Main Distribution Board Supply, installation, testing and commissioning of LV panel complete with copper bus bar, main circuit breakers, CT meter and all necessary accessories as per DEWA regulations and all in accordance with the drawings, specification and project requirement				
A	LV panel-1	1	No	169,950.00	169,950.00
	Capacitor Bank Supply, installation, testing and commissioning of Capacitor Bank with accessories complete; all in accordance with the drawings, specifications and project requirement.				
B	Capacitor bank - 300 kVAR	1	No		Inc.above
	Standby Generator Set and Automatic Transfer Switch Supply, installation, testing and commissioning of Standby Generator Set complete with Control panel, Automatic Transfer Switch, cabling, circuit breaker/panel, BMS provision, diesel tank filled with diesel, complete pipe works, valves, accessories, support, Exhaust pipe work, etc., all in accordance with DEWA/Authority regulation, as shown on drawings, specifications and project requirement.				
C	Diesel Generator with ATS (80 kVA) - 125A ATS PANEL	1	Set	127,463.00	127,463.00
	Carried to Collection				**297,413.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	POWER SYSTEM (Cont'd)				
	Kilowatt Hour Meter				
A	Electrical meter as per DEWA regulation and project requirement	1	Item	12,747.00	12,747.00
	Sub Main Distribution Boards				
	Supply, installation, testing and commissioning of sub main distribution boards complete with circuit breakers and all necessary accessories; all in accordance with the drawings, specification, DEWA regulation and Project requirement.				
B	SMDB-EV	1	No	4,054.00	4,054.00
C	SMDB-GF	1	No	6,307.00	6,307.00
D	SMDB-LL	1	No	3,824.00	3,824.00
E	SMDB-GEN	1	No	25,493.00	25,493.00
F	SMDB-PUMP	1	No	3,824.00	3,824.00
G	SMDB-1F	1	No	4,249.00	4,249.00
H	SMDB-2F	1	No	4,249.00	4,249.00
J	SMDB-3F	1	No	4,249.00	4,249.00
K	SMDB-4F	1	No	4,249.00	4,249.00
L	SMDB-5F	1	No	4,249.00	4,249.00
M	SMDB-6F	1	No	4,249.00	4,249.00
N	SMDB-7F	1	No	4,249.00	4,249.00
P	SMDB-8F	1	No	4,249.00	4,249.00
Q	SMDB-ROOF	1	No	8,498.00	8,498.00
R	SMDB-EM-COM	1	No	5,099.00	5,099.00
	Carried to Collection				**103,838.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) **POWER SYSTEM (Cont'd)** **Distribution Boards** Supply, installation, testing and commissioning of distribution boards complete with circuit breakers and all necessary accessories; all in accordance with the drawings, specification, DEWA regulation and Project requirement.				
A	DB-SS	1	No	1,140.00	1,140.00
B	DB-GF	1	No	1,877.00	1,877.00
C	DB-RETAIL	1	No	2,917.00	2,917.00
D	DB-FAÇADE	1	No	2,050.00	2,050.00
E	DB-P1	1	No	2,570.00	2,570.00
F	DB-P2	1	No	2,570.00	2,570.00
G	DB-LL1	1	No	2,550.00	2,550.00
H	DB-LL2	1	No	2,550.00	2,550.00
J	DB-LL3	1	No	2,550.00	2,550.00
K	DB-LL-EM	1	No	2,550.00	2,550.00
L	DB-LL-EM1	1	No	2,550.00	2,550.00
M	DB-LL-EM2	1	No	2,550.00	2,550.00
N	DB-LL-EM3	1	No	2,550.00	2,550.00
P	DB-TEL	1	No	2,380.00	2,380.00
	1st Floor				
Q	DB-101	1	No	1,700.00	1,700.00
R	DB-102	1	No	1,700.00	1,700.00
	Carried to Collection				**36,754.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	POWER SYSTEM (Cont'd)				
	Distribution Boards (Cont'd)				
	1st Floor (Cont'd)				
A	DB-103	1	No	1,700.00	1,700.00
B	DB-104	1	No	1,700.00	1,700.00
C	DB-105	1	No	1,700.00	1,700.00
D	DB-106	1	No	1,700.00	1,700.00
E	DB-GYM	1	No	1,700.00	1,700.00
	2nd, 4th and 6th Floor				
F	DB-201, 401, 601	3	No	1,700.00	5,100.00
G	DB-202, 402, 602	3	No	1,700.00	5,100.00
H	DB-203, 403, 603	3	No	1,700.00	5,100.00
J	DB-204, 404, 604	3	No	1,700.00	5,100.00
K	DB-205, 405, 605	3	No	1,700.00	5,100.00
L	DB-206, 406, 606	3	No	1,700.00	5,100.00
M	DB-207, 407, 607	3	No	1,700.00	5,100.00
N	DB-208, 408, 608	3	No	1,700.00	5,100.00
	3rd, 5th and 7th Floor				
P	DB-301, 501, 701	3	No	1,700.00	5,100.00
Q	DB-302, 502, 702	3	No	1,700.00	5,100.00
R	DB-303, 503, 703	3	No	1,700.00	5,100.00
S	DB-304, 504, 704	3	No	1,700.00	5,100.00
T	DB-305, 505, 705	3	No	1,700.00	5,100.00
	Carried to Collection				**74,800.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	POWER SYSTEM (Cont'd)				
	Distribution Boards (Cont'd)				
	3rd, 5th and 7th Floor (Cont'd)				
A	DB-306, 506, 706	3	No	1,700.00	5,100.00
B	DB-307, 507, 707	3	No	1,700.00	5,100.00
C	DB-308, 508, 708	3	No	1,700.00	5,100.00
	8th Floor				
D	DB-801	1	No	1,700.00	1,700.00
E	DB-802	1	No	1,700.00	1,700.00
F	DB-803	1	No	1,700.00	1,700.00
G	DB-804	1	No	1,700.00	1,700.00
H	DB-805	1	No	1,700.00	1,700.00
J	DB-806	1	No	1,700.00	1,700.00
K	DB-807	1	No	1,700.00	1,700.00
L	DB-808	1	No	1,700.00	1,700.00
	Roof				
M	DB-ROOF	1	No	1,700.00	1,700.00
	Carried to Collection				**30,600.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) **POWER SYSTEM (Cont'd)** **Isolators** Supply, install, testing and commissioning of connect and disconnect of switches (isolators) including all interconnecting cables, wires, trays, conduits, terminators, accessories and control panel for MCC all in accordance with drawings, specification DEWA regulation and project requirements				
A	TPN Isolator W/P - Irrigation pump	1	No	357.00	357.00
B	TPN Isolator W/P - Transfer pump	1	No	357.00	357.00
C	TPN Isolator W/P - Booster pump	1	No	357.00	357.00
D	TPN Isolator W/P - Fire Pump	1	No	2,125.00	2,125.00
E	TPN Isolator W/P - Jockey Pump	1	No	221.00	221.00
F	TPN Isolator W/P - Sump Pump	2	No	209.00	418.00
G	TPN Isolator W/P - Smoke management fans	8	No	481.00	3,848.00
H	TPN Isolator W/P - Fresh air and Extract air Fans	3	No	206.00	618.00
J	TPN Isolator W/P - FAHU	1	No	1,386.00	1,386.00
K	SPN Isolator W/P - Plunge Pool	6	No	213.00	1,278.00
L	TPN Isolator W/P - Garbage Extract Fan	1	No	357.00	357.00
M	TPN Isolator W/P - Sign Board	1	No	357.00	357.00
N	TPN Isolator - Elevator	2	No	357.00	714.00
P	TPN Isolator - POD Lift	1	No	357.00	357.00
Q	SPN Isolator W/P - Gate Barrier	2	No	206.00	412.00
R	TPN Isolator - GSM	1	No	357.00	357.00
	Carried to Collection				**13,519.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	POWER SYSTEM (Cont'd)				
	Isolators (Cont'd)				
A	SPN Isolator W/P - Garbage Room	1	No	213.00	213.00
B	TPN Isolator W/P - Garbage compactor	1	No	357.00	357.00
C	TPN Isolator - MTR Room	2	No	357.00	714.00
D	TPN Isolator W/P - Swimming Pool	1	No	1,386.00	1,386.00
E	TPN Isolator - Façade	1	No	357.00	357.00
F	TPN Isolator W/P - Car charger	2	No	221.00	442.00
G	TPN Isolator W/P - VRV system Outdoor Unit	65	No	425.00	27,625.00
H	TPN Isolator W/P - DX system Outdoor Unit	4	No	340.00	1,360.00
	Carried to Collection				**32,454.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) **POWER SYSTEM (Cont'd)** **Main Cables** Supply, install, testing and commissioning of power cables between MDB to Distribution Boards and disconnect switches including necessary accessories to termination of cable and protections to prevent mechanical damage (insulations) as per DEWA requirements; all in accordance with the drawings, specifications and project requirements.				
A	2x4C 185mm² Cu/XLPE/SWA/PVC + 2x1C 95mm² Cu/PVC/ECC	18	m	102.00	1,836.00
B	1x4C 150mm² Cu/XLPE/SWA/PVC + 1x1C 95mm² Cu/PVC/ECC	82	m	102.00	8,364.00
C	1x4C 120mm² Cu/XLPE/SWA/PVC + 1x1C 70mm² Cu/PVC/ECC	72	m	102.00	7,344.00
D	1x4C 70mm² Cu/XLPE/SWA/PVC + 1x1C 35mm² Cu/PVC/ECC	18	m	102.00	1,836.00
E	1x4C 50mm² Cu/XLPE/SWA/PVC + 1x1C 25mm² Cu/PVC/ECC	640	m	85.00	54,400.00
F	1x4C 25mm² Cu/XLPE/SWA/PVC + 1x1C 16mm² Cu/PVC/ECC	82	m	85.00	6,970.00
G	1x4C 16mm² Cu/XLPE/SWA/PVC + 1x1C 16mm² Cu/PVC/ECC	120	m	77.00	9,240.00
H	1x4C 10mm² Cu/XLPE/SWA/PVC + 1x1C 10mm² Cu/PVC/ECC	1005	m	73.00	73,365.00
J	1x4C 6mm² Cu/XLPE/SWA/PVC + 1x1C 6mm² Cu/PVC/ECC	172	m	43.00	7,396.00
K	1x4C 4mm² Cu/XLPE/SWA/PVC + 1x1C 4mm² Cu/PVC/ECC	82	m	43.00	3,526.00
L	1x3C 10mm² Cu/XLPE/SWA/PVC	44	m	73.00	3,212.00
M	4x1C 16mm² Cu/PVC + 1x1C 16mm² Cu/PVC/ECC	1648	m	85.00	140,080.00
N	Fire resistant Cables as per Authority requirements where applicable	1	Item	42,488.00	42,488.00
	Carried to Collection				**360,057.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	SUB-MAIN CIRCUITS				
	Containment				
	Supply and installation of cable tray, trunking and trenches including all necessary accessories as per DEWA regulations, Du/Etisalat requirement, ELV system, etc.; all in accordance with the drawings ,specification and project requirement				
A	GI cable tray and Trunking	1	LS	84,975.00	84,975.00
B	GI Flexible conduits	1	Item	12,747.00	12,747.00
C	4x100mm dia PVC Duct pipe - Telephone system	55	m	213.00	11,715.00
D	Manhole - Telephone	1	No	2,975.00	2,975.00
	Wiring Accessories				
	Installation of the following wiring devices including conduits, wires, GI backbox and all other necessary accessories; all in accordance with the DEWA regulation, drawings, specifications, standards and project requirement.				
E	13A, Single switched socket outlet	382	No	237.00	90,534.00
F	13A, Single switched socket outlet W/P	51	No	237.00	12,087.00
G	13A, Switched spur outlet with Neon Indicator for FCU at H/L	155	No	237.00	36,735.00
H	13A, Twin switched socket outlet	131	No	237.00	31,047.00
J	20A Flex outlet for water heater	65	No	211.00	13,715.00
K	20A Flex outlet for Kitchen hood	62	No	211.00	13,082.00
L	20A Flex outlet for Washing Machine	62	No	211.00	13,082.00
M	20A Flex outlet for Cooker	62	No	211.00	13,082.00
N	20A DP switch for Flex outlet-with Neon indicator	313	No	196.00	61,348.00
P	20A Flex outlet for motorized smoke fire damper	16	No	211.00	3,376.00
	Carried to Collection				**400,500.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	Wiring Accessories (Cont'd)				
A	16A Industrial socket for BMU	4	No	335.00	1,340.00
B	13A, Outlet at high level	3	No	211.00	633.00
C	13A Electrical outlet for General connection	11	No	211.00	2,321.00
D	13A, Twin switched socket outlet with floor box with Telephone and data outlet	3	No	255.00	765.00
E	Push button with timer switch	23	No	211.00	4,853.00
F	Surface mounted calling bell	62	No	170.00	10,540.00
G	13A bell push	62	No	170.00	10,540.00
	Carried to Collection				**30,992.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	LIGHTING SYSTEM				
	Installation of the following light fittings and fixtures including assembling, connections to permanent wiring system, all necessary fixings, conduits and accessories, including assembling of chandelier light and other light fixtures as per site requirement; all in accordance with the drawings, specification and project requirement				
A	1x12W LED Recessed down light fixture-IP65 Warm light bulk head area (Ref. LT1)	439	No	201.00	88,239.00
B	1x18 W LED Recessed down light fixture-IP44 in washroom (Ref. LT3)	209	No	220.00	45,980.00
C	1x15 W LED Surface mounted slim design IP-65 warm light for lift shaft (Ref. LT4)	24	No	206.00	4,944.00
D	40W LED 4' long tube parking light with bulkhead day light (Ref. LT5)	158	No	206.00	32,548.00
E	Standard 5m Rolls, 60 LED/m, with 5mm width & 1mm thickness, supplied along with external driver LED cove light (Ref. LT6)	990	Mtr	60.00	59,400.00
F	50W LED Bollard / Focus light W/P IP-65 warm light (Ref. LT9)	2	No	213.00	426.00
G	50W LED wall mounted Up & Down illumination day light IP-66 (Ref. LT10)	29	No	228.00	6,612.00
H	1x15W surface mounted slim modern design IP-65 warm light (Ref. LT12)	46	No	215.00	9,890.00
J	50W LED Decorative chandelier light with fabric (Ref. LT15)	198	No	298.00	59,004.00
K	LED ceiling light, Surface mounted, square shaped, suitable for indoor application	33	No	206.00	6,798.00
L	Landscape floor mounted light	17	No	213.00	3,621.00
M	LED wall mounted up & down illumination day light IP-66	197	No	213.00	41,961.00
N	Motion sensor	74	No	170.00	12,580.00
	Carried to Collection				**372,003.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) **LIGHTING SYSTEM** Installation of the following fixtures including conduits, wires, GI backbox and other necessary accessories, all in accordance with the DEWA regulation, drawings, specification, standards and project requirement.				
A	One-way one gang switch	181	No	149.00	26,969.00
B	One-way one gang switch W/P	20	No	149.00	2,980.00
C	One-way two gang switch	269	No	149.00	40,081.00
D	Two way, One gang switch	78	No	149.00	11,622.00
	Carried to Collection				**81,652.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) **EARTHING SYSTEM/LIGHTNING PROTECTION SYSTEM** Supply, installation, testing and commissioning of complete Lightning protection system and earthing system all in accordance with the drawings and specification and as per DEWA standard, but not necessarily limited to the following: earth pit for Substation, meter cabinet, MDB, DB, etc.				
A	ESE protector	1	Item	1,020.00	1,020.00
B	Lightning strike counter	1	Item	1,275.00	1,275.00
C	Down conductor	1	Item	21,244.00	21,244.00
D	Earthing network	1	Item	29,742.00	29,742.00
E	1 x 1C 150mm² CU/PVC Y/G as ECC	1	Item	6,798.00	6,798.00
F	1 x 1C 70mm² PVC/CU Y/G as ECC	1	Item	3,399.00	3,399.00
G	Earth pit including copper rod, clamp and necessary fittings as per the DEWA standard and as per the specification and drawings	1	Item	1,020.00	1,020.00
H	Allow for other miscellaneous work in connection with the earthing system	1	Item	12,747.00	12,747.00
	Carried to Collection				**77,245.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) **Fire Alarm & Emergency lighting system** Supply, installation, testing and commissioning of complete fire alarm & emergency lighting system in accordance with the drawings, specification and as per Authority regulation.				
A	Intelligent Optical Smoke Detector with Standard Base	193	No	425.00	82,025.00
B	Intelligent Optical Heat Detector with Standard Base	13	No	425.00	5,525.00
C	Intelligent Multi Sensor Detector with Standard Base	62	No	425.00	26,350.00
D	Intelligent Optical smoke Detector with Sounder Base	77	No	425.00	32,725.00
E	Addressable dual action manual pull station	22	No	374.00	8,228.00
F	Addressable dual action manual pull station W/P	2	No	374.00	748.00
G	Addressable open area sounder strobe W/P	1	No	510.00	510.00
H	Addressable dual monitor module	1	No	425.00	425.00
J	Addressable relay module	5	No	425.00	2,125.00
K	Addressable six relay module	1	No	425.00	425.00
L	Addressable ten input monitor module	1	No	425.00	425.00
M	Addressable monitoring module	25	No	425.00	10,625.00
N	Line isolator module	13	No	425.00	5,525.00
P	Addressable monitor module	24	No	425.00	10,200.00
Q	Ceiling mounted speaker	33	No	383.00	12,639.00
R	Ceiling mounted speaker with flasher	1	No	408.00	408.00
S	Wall mounted speaker	23	No	340.00	7,820.00
T	Wall mounted speaker with flasher	16	No	340.00	5,440.00
	Carried to Collection				**212,168.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	Fire Alarm & Emergency lighting system (Cont'd)				
A	Fire phone jack	24	No	340.00	8,160.00
B	Addressable self contained LED Emergency light surface non-maintained	93	No	340.00	31,620.00
C	Addressable self contained LED Emergency light recessed non-maintained	60	No	468.00	28,080.00
D	Addressable self contained LED Exit light maintained double side recessed	16	No	510.00	8,160.00
E	Addressable self contained LED Exit light maintained	39	No	510.00	19,890.00
F	Addressable self contained LED Exit light maintained double side hanging	14	No	510.00	7,140.00
G	Self contained LED Emergency light non-maintained	3	No	468.00	1,404.00
H	Self contained LED Exit light maintained	1	No	468.00	468.00
J	Fire Alarm & Voice evacuation integrated panel	1	Item	127,463.00	127,463.00
K	Fire telephone panel	1	Item	29,742.00	29,742.00
L	Fire telephone cabinet	1	Item	16,995.00	16,995.00
M	Addressable Emergency lighting touch panel	1	Item	21,244.00	21,244.00
N	Fire rated cable for fire alarm, emergency and voice evacuation system	1	Item	42,488.00	42,488.00
P	Central monitoring panel and Emergency panel	1	Item	12,747.00	12,747.00
Q	Modules for DCD Equipments	1	Item	10,197.00	10,197.00
R	Modules for 24x7	1	Item	10,197.00	10,197.00
S	All mechanical equipment should interface with FACP as per DCD requirements	1	Item	12,747.00	12,747.00
	Carried to Collection				**388,742.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	Fire Alarm & Emergency lighting system (Cont'd)				
A	Installation of 24x7 panel including coordination, containment, cabling and all necessary accessories as per the Authority requirement. Interfacing of such as and not limited to not limited to FACP, Gas, water tank, Lift, FM200, fire pump, diesel tank as per DCD requirements. (Panel - Supply by Client)	1	Item	6,798.00	6,798.00
B	Allow for any other miscellaneous work in connection with Low current system	1	Item	8,498.00	8,498.00
	Carried to Collection				**15,296.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd) Supply and installation of the conduits, cable tray, rope pulling inside conduits, containment drawings, power provision, back box Earthing, power wiring and control wiring in the slabs, other concrete elements, walls, hanging from soffits, etc. all in accordance with the drawings, specification and project requirement.				
A	Structured Cabling System	1	Item	50,985.00	50,985.00
B	Video Intercom System	1	Item	29,742.00	29,742.00
C	Access control System	1	Item	16,995.00	16,995.00
D	Gate barrier System and ANPR system	1	Item	12,747.00	12,747.00
E	IP CCTV System	1	Item	29,742.00	29,742.00
F	BMS System	1	Item	21,244.00	21,244.00
G	BGM System	1	Item	10,197.00	10,197.00
H	Gymnasium Equipments	1	Item	6,798.00	6,798.00
J	Signage	1	Item	10,197.00	10,197.00
K	Façade light fittings	1	Item	25,493.00	25,493.00
L	Window Cleaning System	1	Item	6,798.00	6,798.00
M	Garbage system	1	Item	6,798.00	6,798.00
N	Swimming pool	1	Item	12,747.00	12,747.00
P	GSM system	1	Item	21,244.00	21,244.00
Q	LPG System	1	Item	5,099.00	5,099.00
R	Irrigation System	1	Item	6,798.00	6,798.00
	Carried to Collection				**273,624.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	Sundries				
A	Allow for necessary house connections	1	Item	8,498.00	8,498.00
B	Allow for installation of DEWA Cable Termination at HV & LV side	1	Item	16,995.00	16,995.00
C	Supports including fixings, anchors, insulating blocks, anti-vibration devices and the like	1	Item	5,099.00	5,099.00
D	Identification including plates, discs, labels, charts, color coding and the like	1	Item	8,498.00	8,498.00
E	Documents including Shop Drawings, Material Submittal, method statements, Operation and Maintenance, Handing over documents and as built drawings.	1	Item	8,498.00	8,498.00
F	Allow for PVC sleeves/duct pipes for the cables and other underground cables/wiring etc. for LV & ELV systems.	1	Item	12,747.00	12,747.00
G	Testing and commissioning including operating completed installations and providing fuel and power.	1	Item	8,498.00	8,498.00
H	Co-ordination and liaison with local authority	1	Item	8,498.00	8,498.00
J	Builders work including cutting, chasing, wall and slab cut-outs, sleeves, supports, shafts etc. and making good, complete in accordance with authority regulation, satisfaction of the engineer as per specification and drawing.	1	Item	5,099.00	5,099.00
K	Allow for power provision for 24x7, Fans, DEWA IMS, LPG, GSM and ELV system	1	Item	8,498.00	8,498.00
	Incidental Work			-	
L	Work Incidental To Electrical Engineering Installations	1	Item	12,747.00	12,747.00
M	Co-ordination with other engineering installations	1	Item	8,498.00	8,498.00
N	Cutting or forming holes, mortices, chases and the like and making good finishing's	1	Item	21,244.00	21,244.00
P	Building in or cutting and pinning brackets and the like and making good finishing's	1	Item	8,498.00	8,498.00
	Carried to Collection				**141,915.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. ELECTRICAL			BILL NO:16
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	DIVISION 16-ELECTRICAL (Cont'd)				
	COLLECTION				
	Page From 16/01				297,413.00
	Page From 16/02				103,838.00
	Page From 16/03				36,754.00
	Page From 16/04				74,800.00
	Page From 16/05				30,600.00
	Page From 16/06				13,519.00
	Page From 16/07				32,454.00
	Page From 16/08				360,057.00
	Page From 16/09				400,500.00
	Page From 16/10				30,992.00
	Page From 16/11				372,003.00
	Page From 16/12				81,652.00
	Page From 16/13				77,245.00
	Page From 16/14				212,168.00
	Page From 16/15				388,742.00
	Page From 16/16				15,296.00
	Page From 16/17				273,624.00
	Page From 16/18				141,915.00
	DIVISION 16-ELECTRICAL INSTALLATION CARRIED TO GENERAL SUMMARY				**2,943,572.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. PROVISIONAL SUM			BILL PS.SUM
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM ITEMS				
	DIVISION 05 - METAL WORKS				
	Canopy with Structural Steel Works at Roof and Upper Roof level				
A	Allow Provisional Sum of **AED. 1,100,000.00** for Design, supply and installation of ACP Cladded Canopy with required Structural steel works, framing, support etc., as per specialist sub contractor and complete accessories, as per drawings and specifications to Engineer's approval.	1	PS	1,100,000.00	1,100,000.00
B	Add for Overhead and profit		%	3.00%	33,000.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	33,000.00
	DIVISION 06 - WOOD AND PLASTICS				
	Reception Counter and Furniture for Entrance lobby				
D	Allow PS of **AED. 150,000.00** for Supply & installation of Reception Counter desk with necessary finishing as per drawings, Specification and subject to Engineer Approval.	1	PS	150,000.00	150,000.00
E	Add for Overhead and profit		%	3.00%	4,500.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	4,500.00
	DIVISION 08 - DOOR AND WINDOWS				
	Aluminium and Glazing Works				
G	Allow Provisional Sum of **AED. 4,000,000.00** for supply, installation of Aluminium and Glazing Works including glazed doors, windows, glass shower partition, glass railings, Aluminium screen, Aluminium vertical louvers, covered within the size limit of each item, ironmongeries and all required accessories as specified and all in accordance with the drawings and specification subject to engineers approval.	1	PS	4,000,000.00	4,000,000.00
H	Add for Overhead and profit		%	3.00%	120,000.00
J	Add for Builder's work, Attendance and assistance		%	3.00%	120,000.00
	Carried to Collection				**5,565,000.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. PROVISIONAL SUM			BILL PS.SUM
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM (Cont'd)				
	DIVISION 10 - SPECIALTIES				
	Sanitary wares				
A	Scope of Nominated Sub Contractor: Allow Provisional Sum of **AED. 650,000.00** for Supply of All Sanitary Fixtures/Wares as specified in the Details/Drawings and Specifications including all accessories and associated works to Engineer's standards Main Contractor to provide: Unloading, Shifting, Fixing and Connections with Fixing Accessories (Angle valve-Bracket valve-Bottle trap-flexible connections-Drainage Connections),and all other related Items which are not mentioned in including Items	1	PS	650,000.00	650,000.00
B	Add for Overhead and profit		%	3.00%	19,500.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	19,500.00
	DIVISION 11 - EQUIPMENTS				
	Gymnasium Equipments				
D	Allow Provisional Sum of **AED. 70,000.00** for Supply and install Gym equipments to engineer's approval - by a Specialist Supplier detail to Engineer's approval.	1	PS	70,000.00	70,000.00
E	Add for Overhead and profit		%	3.00%	2,100.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	2,100.00
	Window Cleaning system				
G	Allow Provisional Sum of **AED. 325,000.00** for Supply, installation and maintenance of window cleaning system for window cleaning works by a specialist suppliers as per manufacturer for architect's approvals.	1	PS	325,000.00	325,000.00
H	Add for Overhead and profit		%	3.00%	9,750.00
J	Add for Builder's work, Attendance and assistance		%	3.00%	9,750.00
	Carried to Collection				**1,107,700.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. PROVISIONAL SUM			BILL PS.SUM
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM (Cont'd)				
	DIVISION 13 - SPECIAL CONSTRUCTION				
	Internal and External Signages (Apartment Door, Service sign, Floor levels sign, direction sign, Building Signage, etc.) (Excluding DCD signages)				
A	Allow Provisional Sum of **AED. 70,000.00** for Supply and installation of Internal, External signages works subject to Engineer's approval in accordance with Authority requirement	1	PS	70,000.00	70,000.00
B	Add for Overhead and profit		%	3.00%	2,100.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	2,100.00
	Building (DCD Signages):				
D	Allow Provisional Sum of **AED. 20,000.00** for DCD Signage works subject to Engineer's approval in accordance with Authority requirement	1	PS	20,000.00	20,000.00
E	Add for Overhead and profit		%	3.00%	600.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	600.00
	Jacuzzis at First floor Terraces				
G	Allow Provisional Sum of **AED. 240,000.00** for Design, supply and installation Jacuzzis including complete system, finishes etc., by Specialist Subcontractor, all as per Project requirements.	1	PS	240,000.00	240,000.00
H	Add for Overhead and profit		%	3.00%	7,200.00
J	Add for Builder's work, Attendance and assistance		%	3.00%	7,200.00
	Project Model				
K	Allow Provisional Sum of **AED. 200,000.00** for Fabrication, supply and installation of Project Model of desired scale as per the requirement of Employer/Consultant	1	PS	200,000.00	200,000.00
L	Add for Overhead and profit		%	3.00%	6,000.00
M	Add for Builder's work, Attendance and assistance		%	3.00%	6,000.00
	Carried to Collection				**561,800.00**

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ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM (Cont'd)				
	DIVISION 14 - CONVEYING SYSTEM				
	Lifts				
A	Allow Provisional sum of **AED. 500,000.00** for Design, Supply and Installation of complete lifts works including testing and commissioning etc., as shown on drawings to engineer's approval.	1	PS	500,000.00	500,000.00
B	Add for Overhead and profit		%	3.00%	15,000.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	15,000.00
	POD Lift - Roof level				
D	Allow Provisional sum of **AED. 70,000.00** for design, Supply and Installation of complete lifts works (Handicapped Lifts) testing and commissioning and etc, as shown on drawings to engineers approval.	1	PS	70,000.00	70,000.00
E	Add for Overhead and profit		%	3.00%	2,100.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	2,100.00
	Carried to Collection				**604,200.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. PROVISIONAL SUM			BILL PS.SUM
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM (Cont'd) **DIVISION 15/16 - MECHANICAL /ELECTRICAL** Note: Supply, installation, testing and commissioning of below provisional items with all relevant accessories and in accordance with the drawings and specifications as per consultant approval (contractor have to consider the builder work and other requirements) Contractor to consider development of shop drawing for the installation purpose taking in due consideration such as cable tray, cable trench supports & required power connection (13A socket) and any other parameter which may required for the proper installation to finish the work. Contractor to consider all the builder's work including, Plinth, service shaft, Sleeves, Conduits, junction box, GI back box, protection, shifting of material, loading unloading, safety of materials, etc. **IP CCTV system**				
A	Allow Provisional Sum of **AED. 200,000.00** for Supply, installation, connect, testing and commissioning of IP CCTV system as per local authorities requirements and in accordance with the specifications and drawings.	1	PS	200,000.00	200,000.00
B	Add for Overhead and profit		%	3.00%	6,000.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	6,000.00
	Video Intercom System				
D	Allow Provisional Sum of **AED. 150,000.00** for Supply, installation, connect, testing and commissioning of Video intercom system as per local authorities requirements and in accordance with the specifications and drawings.	1	PS	150,000.00	150,000.00
E	Add for Overhead and profit		%	3.00%	4,500.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	4,500.00
	Carried to Collection				**371,000.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C		B.O.Q. PROVISIONAL SUM			BILL PS.SUM
ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM (Cont'd)				
	Gate Barrier system and ANPR System				
A	Allow Provisional Sum of **AED. 75,000.00** for Supply, installation, testing and commissioning Gate Barrier System and ANPR system, including remote to access the gate barrier; complete as per drawings, specifications, Authority requirements and Engineer's approval.	1	PS	75,000.00	75,000.00
B	Add for Overhead and profit		%	3.00%	2,250.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	2,250.00
	Structured Cabling System				
D	Allow Provisional Sum of **AED. 175,000.00** for Supply, installation, connect, testing and commissioning of structured cabling system as per the authorities requirements and in accordance with the specifications and drawings.	1	PS	175,000.00	175,000.00
E	Add for Overhead and profit		%	3.00%	5,250.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	5,250.00
	Access Control System				
G	Allow Provisional Sum of **AED. 75,000.00** for supply, installation, connect, testing and commissioning of access control system as per the authorities requirements and in accordance with the specification and drawings.	1	PS	75,000.00	75,000.00
H	Add for Overhead and profit		%	3.00%	2,250.00
J	Add for Builder's work, Attendance and assistance		%	3.00%	2,250.00
	BGM System				
K	Allow Provisional Sum of **AED. 75,000.00** for supply, installation, testing and commissioning of BGM as per the drawings, specification and project requirements.	1	PS	75,000.00	75,000.00
L	Add for Overhead and profit		%	3.00%	2,250.00
M	Add for Builder's work, Attendance and assistance		%	3.00%	2,250.00
	Carried to Collection				**424,000.00**

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ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	PROVISIONAL SUM (Cont'd)				
	BMS System				
A	Allow Provisional Sum of **AED. 100,000.00** for supply, installation, testing and commissioning of BMS as per the drawings, specification and project requirements.	1	PS	100,000.00	100,000.00
B	Add for Overhead and profit		%	3.00%	3,000.00
C	Add for Builder's work, Attendance and assistance		%	3.00%	3,000.00
	Façade light fittings				
D	Allow Provisional Sum of **AED. 300,000.00** for supply and installation of façade light fittings.	1	PS	300,000.00	300,000.00
E	Add for Overhead and profit		%	3.00%	9,000.00
F	Add for Builder's work, Attendance and assistance		%	3.00%	9,000.00
	Light Fittings				
G	Allow Provisional Sum of **AED. 300,000.00** for supply of Light fittings as per the drawings, specification and project requirements.	1	PS	300,000.00	300,000.00
H	Add for Overhead and profit		%	3.00%	9,000.00
J	Add for Builder's work, Attendance and assistance		%	3.00%	9,000.00
	Wiring Accessories				
K	Allow Provisional Sum of **AED. 75,000.00** for supply of Wiring Accessories as per the drawings, specification and project requirements.	1	PS	75,000.00	75,000.00
L	Add for Overhead and profit		%	3.00%	2,250.00
M	Add for Builder's work, Attendance and assistance		%	3.00%	2,250.00
	Carried to Collection				**821,500.00**

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ITEM REF.	**DESCRIPTION**	**QTY**	**UNIT**	**UNIT RATE (AED)**	**TOTAL AMOUNT (AED)**
	COLLECTION				
	Page From PS/01				5,565,000.00
	Page From PS/02				1,107,700.00
	Page From PS/03				561,800.00
	Page From PS/04				604,200.00
	Page From PS/05				371,000.00
	Page From PS/06				424,000.00
	Page From PS/07				821,500.00
	PROVISIONAL SUM SUMMARY				**9,455,200.00**

MAIN WORKS PACKAGE: PROPOSED MIXED USE (RESI. + RETAIL) BUILDING G+2P+8+R PLOT NO. IC1-CTYL-16_013 AT WARSAN 1-621, DUBAI, U.A.E. FOR M/S. NBCC OVERSEAS REAL ESTATE L.L.C	B.O.Q.	GENERAL SUMMARY

GENERAL SUMMARY	PAGE NO.	TOTAL AMOUNT (AED)
DIVISION 01 - GENERAL REQUIREMENTS		1,719,888.00
DIVISION 02 - SITE WORKS		144,998.00
DIVISION 03 - CONCRETE		7,886,325.00
DIVISION 04 - MASONRY		1,024,660.00
DIVISION 05 - METALS		429,564.00
DIVISION 06 - WOOD & PLASTICS		810,425.00
DIVISION 07 - THERMAL & MOISTURE PROTECTION		695,056.00
DIVISION 08 - DOORS & WINDOWS		1,192,947.00
DIVISION 09 - FINISHES		3,579,677.00
DIVISION 10 - SPECIALTIES		68,327.00
DIVISION 11 - EQUIPMENT		130,862.00
DIVISION 12 - FURNISHING		By Client
DIVISION 13 - SPECIAL CONSTRUCTION		577,789.00
DIVISION 14 - CONVEYING SYSTEM		PS
DIVISION 15 - MECHANICAL		5,458,331.00
DIVISION 16 - ELECTRICAL		2,943,572.00
PROVISIONAL SUMS		9,455,200.00
Amount in words:		
TOTAL FOR GENERAL SUMMARY		**36,117,621.00**