

Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalganj)	Zone-D (Rajshahi, Rangpur)
CHAPTER-01: Assessment of Existing Building						
Item No	Description of Item	Unit	Unit Price (Taka)	Unit Price (Taka)	Unit Price (Taka)	Unit Price (Taka)
01.1.a	Conducting field survey in the target building (keeping it functional) to produce / reproduce as-built detail architectural drawings including floor plan, present usages, existing finishing details, all sided elevation and at least one sectional elevation by engaging experienced Architect / Civil Engineer (Minimum 3 years for B.Sc / 8 years for Diploma) and Supervisor etc. all complete as per direction and approval by the Engineer-in-charge.	sqm of built-up- area	Tk. 6.75	Tk. 6.75	Tk. 6.57	Tk. 6.57
01.1.b	Preparation and Submission of as-built detail architectural drawings including floor plan, present usages, existing finishing details, all sided elevation and at least one sectional elevation produced in Auto-CAD Software (OS-Windows base) , submission of 3 Sets of Printed Copy on standard drawing paper in readable Size, Scale , specified format and a Soft Copy in CD / pendrive by engaging experienced Architect / Civil Engineer (Minimum 3 years for B.Sc / 8 years for Diploma) and Auto-CAD operator. The as-built drawings must reflect the existing scenario and modification of approved drawings (if available) etc. all complete as per direction and acceptance by the Engineer-in-charge.	sqm of built-up- area	Tk. 8.85	Tk. 8.85	Tk. 8.85	Tk. 8.85
01.2.1	Conducting field survey including foundation layout (location, dimensions and depth of foundation), layout and dimensions of all structural members, slab dimensions, lift -machine room, underground water reservoir, overhead water tanks , visual deterioration of all structural members in the target Building (keeping it functional) to produce / reproduce as-built Structural drawings or check if available by engaging experienced Civil Engineer (Minimum 3 years for B.Sc / 8 years for Diploma) and supervisor etc. all complete as per direction and approval by the Engineer-in-charge. (The Rate is excluding the cost of digging the foundation, shore protection and refilling)	sqm of built-up- area	Tk. 3.59	Tk. 3.59	Tk. 3.51	Tk. 3.51

Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalgonj)	Zone-D (Rajshahi, Rangpur)
01.2.2	Carrying out rebar scanning process in all scannable sides of specified reinforced concrete members in the target building (keeping it functional) using rebar scanner for checking the clear cover, rebar diameter and spacing including stripping out plaster and mending / filling the damaged portions after the process to produce/ reproduce as-built structural drawings or check if available by engaging an experienced civil Engineer (minimum experience of 3 years for B.Sc / 8 years for Diploma) and competent technicians etc. all complete as per direction and acceptance by the Engineer-in-charge.					
01.2.2.1	Main rebars and tie / stirrup of floor-wise columns and beams (between 2 support irrespective of spans)	floor member	Tk. 1,089.00	Tk. 1,089.00	Tk. 1,082.00	Tk. 1,082.00
01.2.2.2	Rebar scanning process of shear walls (floor to floor) and slabs (slab panel bounded by beams or 4 columns in the case of flat plate/ flat Slab shall be reckoned as one member)	floor member	Tk. 847.00	Tk. 847.00	Tk. 841.00	Tk. 841.00
01.2.3	Carrying out of existing concrete strength test on specified RC members in the target building (keeping it functional) using recently calibrated schmidt hammer for collecting data (25 points over 1 sq.ft shall be reckoned as 1 spot) including stripping out plaster and mending / filling the damaged portions after the process to produce/ reproduce as-built structural drawings or check if available by engaging competent technicians etc. all complete as per direction and acceptance by the Engineer-in-charge.	spot	Tk. 568.00	Tk. 568.00	Tk. 553.00	Tk. 553.00

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01.2.4.1	Collection of concrete core samples for assessing compressive strength of concrete from the existing RC members (column , Shear wall , beam) of the target building (keeping it functional) by using diamond core cutter machine and rebar detector including repair of the damaged portions with non-shrink grout, apply curing agent and supply of the samples to the specified laboratory for the purpose of producing/ reproducing as-built structural drawings. The process to be conducted in presence and guidance by an experienced civil Engineer (minimum experience of 3 years for B.Sc / 8 years for Diploma) and competent technician etc. all complete as per direction and acceptance by the Engineer- in- charge.	each	Tk. 3,968.00	Tk. 3,960.00	Tk. 3,907.00	Tk. 3,907.00
Do.Part	The collected concrete core sample must be in cylindrical shape, to be suitable for compressive strength testing according to ASTM [C42 / C42 M] standard, the diameter of core specimens for the determination of compressive strength in load bearing structural members shall be of at least 3.70 inches [94 mm]. For non-load bearing structural members or when it is impossible to obtain cores with length-diameter ratio greater than or equal to 1, core diameters less than 3.70 inch [94 mm] will be acceptable.					
01.2.4.2	Preparation for Compressive strength test of the collected concrete core samples in any laboratory specified in currently effective general Schedule of Rates of PWD including sending of the samples to the laboratory in an acceptable manner, collection and supply of original tests report along with additional 2 sets of, printed copy of that to the procuring entity etc. all complete as per direction and acceptance by the Engineer- in- charge.	each	Tk. 3,559.00	Tk. 3,559.00	Tk. 3,559.00	Tk. 3,559.00

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Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalganj)	Zone-D (Rajshahi, Rangpur)
01.2.5.1	Collecting rebar samples from the structural members of the target building (keeping it functional) and supplying the standard samples properly by marking the sources of the samples for determining grade of rebars in laboratory spec-ified in currently effective general Schedule of Rates of PWD for the purpose of producing/ reproducing as-built structural dra-wings following the prior approval by the Engineer-in-charge in respect of spots of sample collection (1 set shall comprise of at least 3 nos of rebars but 1 or 2 samples are acceptable depending upon the condition of sources) etc. all complete as per direction and approval of the Engineer- in- charge.					
01.2.5.1.a	From concealed sources using rebar detector and partially stripping off / cutting / dismantling concrete of structural members presently acting for structural purposes or of exten- ded portion presently not acting for structural purposes inclu- ding repair of the damaged portions with non-shrink grout and applying curing agent.	set	Tk. 2,373.00	Tk. 2,365.00	Tk. 2,311.00	Tk. 2,311.00
01.2.5.1.b	From un-concealed Sources	set	Tk. 880.00	Tk. 872.00	Tk. 839.00	Tk. 839.00
01.2.5.2	Preparation for tensile strength tests (yield and ultimate strength) of the collected rebar samples (1 set shall comprise of at least 3 nos of rebars but 1 or 2 samples are acceptable depending upon the condition of sources) in any laboratory specified in currently effective general Schedule of Rates of PWD including sending of the samples to the laboratory in an acceptable manner, collection and supply of original tests rep-ort along with additional 2 sets of printed copy of that to the procuring entity etc. all complete as per direction and acceptance by the Engineer- in- charge.					
01.2.5.2.d1	Tensile strength including weight & elongation up to 25 mm diameter rebar	set	Tk. 3,682.00	Tk. 3,682.00	Tk. 3,682.00	Tk. 3,682.00
01.2.5.2.d2	Tensile strength including weight & elongation above 25 and up to 32 mm diameter rebar	set	Tk. 5,154.00	Tk. 5,154.00	Tk. 5,154.00	Tk. 5,154.00

Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalganj)	Zone-D (Rajshahi, Rangpur)
01.2.6	Preparation, consolidation and submission of as-built detail structural drawings including foundation layout (location, dimensions and depth of foundation), floor-wise layout plan and dimensions, reinforcement details of all structural members including slabs, lift -machine room, underground water reservoir, overhead water tanks, notes on existing materials strength , marking the visual deteriorations on drawings of corresponding structural members (Concretes , Steels) in the target building, produced in Auto-CAD software (OS-Windows) , supplying of 3 sets of printed copy of the draw-ings on standard drawing paper in readable size, scale, format and a soft copy in CD / pendrive by engaging experienced civil Engineer (minimum experience of 3 years for B.Sc / 8 years for Diploma) and Auto-CAD operator. The as-built drawings must show the permanent works as actually constructed and reflect the revision of original drawings at the time of construction (if available) etc. all complete as per direction and acceptance by the Engineer-in-charge.	sqm of built-up- area	Tk. 9.73	Tk. 9.73	Tk. 9.73	Tk. 9.73
01.2.7	Compilation, report preparation and submission of 3 sets of printed copy of overall detail engineering assessment (DEA) report on the target building emphasizing the structural conditions on the basis of as built drawings of Architectural, Structural, Plumbing, Electrical , Electro-Mechanical, Fire fighting system, different test reports and field inspection reports by engaging experienced Civil Engineer (Minimum 3 years for B.Sc / 8 years for Diploma) and Computer operator etc. all complete as per direction and acceptance by the Engineer-in-charge.	job	Tk. 6,197.00	Tk. 6,197.00	Tk. 6,197.00	Tk. 6,197.00

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Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalgonj)	Zone-D (Rajshahi, Rangpur)
01.3.a	Conducting field survey in the target building (keeping it functional) to produce / reproduce as-built detail plumbing drawings (water supply and sanitary systems) including floor-wise detail location of the appliances on plan and mentioning starting & ending R.L. / height of the lines with respect to gro-und floor plinth / each floor level using as-built architec-tural drawings by engaging experienced civil Engineer (minimum 3 years for B.Sc / 8 years for diploma) and supervisor etc. all complete as per direction and approval by the Engineer-in-charge.	sqm of built-up- area	Tk. 2.85	Tk. 2.85	Tk. 2.80	Tk. 2.80
01.3.b	Preparation and submission of as-built detail plumbing drawings (sanitary and water supply system) of the target building including floor-wise detail location of the appliances on plan and mentioning starting & ending R.L. / height of the lines with respect to ground floor plinth / each floor level produced in Auto-CAD software (OS-windows base) , submi- sson of 3 sets of printed copy on standard drawing paper in readable size, scale , specified format and a soft copy in CD / pendrive by engaging experienced civil Engineer (minimum 3 years for B.Sc / 8 years for diploma) and Auto-CAD operator. The as-built drawings must reflect the existing scenario and modification / renovation of approved drawings (if available) etc. all complete as per direction and acceptance by the Engineer-in-charge.	sqm of built-up- area	Tk. 4.82	Tk. 4.82	Tk. 4.82	Tk. 4.82
01.4.a	Conducting field survey in the target building (keeping it functional) to produce / reproduce as-built electrical, elec- tro-mechanical and fire fighting systems drawings or check if available including floor-wise details electrical , electro-mec-hanical and fire-fighting appliances locations on plan, eleva-tion, starting - ending point, height / length with respect to ground floor plinth / each floor level using the as-built archi-tectural drawings by engaging experienced electrical Eng-ineer (minimum 3 years for B.Sc / 8 years for diploma) and supervisor etc. all complete as per direction and approval by the Engineer-in-charge.	sqm of built-up- area	Tk. 3.29	Tk. 3.29	Tk. 3.24	Tk. 3.24

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01.4.b	Preparation and submission of detail as-built electrical , electro - mechanical and fire fighting systems drawings of the target building including floor-wise detail electrical , elec- tro-mechanical and fire-fighting appliances locations on plan, elevation, starting - ending point, height / length with respect to ground floor plinth / each floor level produced in Auto-CAD software (OS-windows) , supplying of 3 sets of printed copy on standard drawing paper in readable size, scale, format and a soft copy in CD / pendrive by engaging experienced electrical Engineer (minimum experience of 3 years for B.Sc / 8 years for diploma) and auto-cad operator etc. all complete as per direction and acceptance by the Engineer- in- charge.	sqm of built-up- area	Tk. 4.82	Tk. 4.82	Tk. 4.82	Tk. 4.82

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