. .

| produced and marked according to Bangladesh standard, with minimum yield strength (y (ReH)= 300 MPa but fy not exceeding 350 MPa and whatever is the actual yield strength (y, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor kg Tk. 100.00 Tk. 99.00 08.1.2 Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= .400 MPa but fy not exceeding 480 MPa and whatever is the actual yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor. kg Tk. 100.00 Tk. 99.00 08.1.3 Grade 500 (B500DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to actual yield strength within allowable at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor. Kg Tk. 95.00 Tk. 94.00 Tk. 94.00 08.1.3 Grade 500 (B500DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, wi | | CHAPTER 08: M.S. FABRICATION AND | JOINTS IN RO | CWORKS | | | | |
|--|----------|---|--------------|--------|-------|--------------|-------------------|------------|
| (excluding laboratory test (see) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-22016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires.conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard) kg Tk. 91.00 Tk. 90.00 Tk. 90.00 08.1.1 Grade 300 (B300DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 300 MPa but fy not exceeding 350 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fut o yield strength fy; shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively: up to ground floor kg Tk. 100.00 Tk. 99.00 Tk. 99.00 08.1.2 Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 400 MPa and whatever is the actual yield strength fy; shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively: up to ground floor. kg Tk. 95.00 Tk. 94.00 Tk. 94.00 | ltem No. | Description of Item | Unit | | | (Chattogram, | (Khulna, Barisal, | (Rajshahi, |
| produced and marked according to Bangladesh standard, with minimum yield strength (y (ReH)= 300 MPa but fy not exceeding 350 MPa and whatever is the actual yield strength (y, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor kg Tk. 100.00 Tk. 99.00 Tk. 99.00 08.1.2 Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 480 MPa and whatever is the actual yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor. Kg Tk. 100.00 Tk. 99.00 Tk. 99.00 08.1.3 Grade 500 (B500DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fue to yield strength, fy (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fue to actual yield strength within allowable limit as per BNBC/ ACI 318, produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fue to actual yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.(To be used for pi | 08.1 | (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires,conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars | | | | | | |
| deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 480 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor. kg Tk. 95.00 Tk. 94.00 08.1.3 Grade 500 (B500DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to actual yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.(To be used for pile work, earth retaining wall, boundary wall, water reservoir & other structures as per instruction of concerned design CHAPTER) Kg Tk. 95.00 Tk. 94.00 Tk. 94.00 | J8.1.1 | produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 300 MPa but fy not exceeding 350 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% | kg | Tk. | 91.00 | Tk. 91.00 | Tk. 90.00 | Tk. 90.00 |
| produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to actual yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.(To be used for pile work, earth retaining wall, boundary wall, water reservoir & other structures as per instruction of concerned design CHAPTER) | 08.1.2 | deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 480 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force | kg | Tk. 1 | 00.00 | Tk. 100.00 | Tk. 99.00 | Tk. 99.00 |
| | 08.1.3 | produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to actual yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.(To be used for pile work, earth retaining wall, boundary | kg | Tk. | 95.00 | Tk. 95.00 | Tk. 94.00 | Tk. 94.00 |
| | 08.2 | Added rate for M.S. Fabrigettion work in additional floor above ground floor | kg | Tk. | 0.67 | Tk. 0.66 | Tk. 0.61 | Tk. 0.61 |

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| tem No. | Description of Item | Unit | Unit Rate (Dhaka, Mymensingh) | Unit Rate (Chattogram, Sylhet) | Unit Rate (Khulna, Barisal, Gopalgonj) | Unit Rate (Rajshahi, Rangpur) |
|---------|---|------|----------------------------------|--------------------------------------|--|-------------------------------------|
| 08.3 | Supplying and fixing of upset forging parallel thread rebar Couplers (excluding laboratory test fees) conforming to ACI-318 on "Building Code Requirements for Structural Concrete" and ISO: 15835 on "Steels for the reinforcement of concrete — Reinforcement couplers for mechanical splices of bars" to ribbed or deformed bars of Grade 400 (B400DWR / B420DWR : complying BDS ISO 6935-2:2016), in splicing main rebars of structural members satisfying the condition that splice shall develop at least 1.25 times greater of yield strength (fy) than that of the connecting rebars in tension and compression including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge. Minimum 0.5% of the total coupled rebars are to be tested for quality assurance. | | | | | |
| 08.3.1 | Thread Coupler for 20 mm diameter Bar | each | Tk. 319.00 | Tk. 319.00 | Tk. 316.00 | Tk. 316.00 |
| 08.3.2 | Thread Coupler for 25 mm diameter Bar | each | Tk. 507.00 | | | |
| 08.3.3 | Thread Coupler for 32 mm diameter Bar | each | Tk. 728.00 | | | |
| | conforming to ACI-318 on "Building Code Requirements for Structural Concrete" and and ISO: 15835 on "Steels for the reinforcement of concrete — Reinforcement couplers for mechanical splices of bars" to ribbed or deformed bars of Grade 400 (B400DWR / B420DWR : conforming BDS ISO 6935-2:2016), in splicing main rebars of structural members satisfying the condition that splice shall develop at least 1.25 times greater of yield strength (fy) than that of the connecting rebars in tension and compression including related operations as required to complete the works as per direction of Engineer-in-Charge. Minimum 1.0% of the total coupled rebars are to be tested for quality assurance. | | | | | |
| 08.4.1 | Press Coupler for 16 mm diameter Bar (minimum Length: 100 mm, maximum Inner diameter: 21 mm, minimum Thickness: 4.5 mm) | each | Tk. 378.00 | Tk. 377.00 | Tk. 374.00 | Tk. 374.0 |
| 08.4.2 | Press Coupler for 20 mm diameter Bar (minimum Length: 120 mm, maximum Inner diameter: 25 mm, minimum Thickness: 5.5 mm) | each | Tk. 521.00 | Tk. 520.00 | Tk. 517.00 | Tk. 517.0 |
| 08.4.3 | Press Coupler for 22 mm diameter Bar (minimum Length: 132 mm, maximum Inner diameter: 28 mm, minimum Thickness: 6 mm) | each | Tk. 664.00 | | Tk. 659.00 | Tk. 659.0 |
| 08.4.4 | Press Coupler for 25 mm diameter Bar (minimum Length: 150 mm, maximum Inner diameter: 31 mm, minimum Thickness: 7 mm) | each | Tk. 855.00 | | | |
| 08.4.5 | Press Coupler for 32 mm diameter Bar (minimum Length: 192 mm, maximum Inner diameter: 38 mm, minimum Thickness: 9 mm) | each | Tk. 1,443.00 | Tk. 1,441.00 | Tk. 1,436.00 | Tk. 1,436.0 |
| 08.5 | installation of water stopper at movable and immovable RCC green joints as per following specification. | | | | | 8 |
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154

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PWD SoR 2022 for Civil Works 15-06-22

| ltem No. | Description of Item | Unit | Unit Rate (D Mymensin | | Unit R (Chattog Sylhe | gram, | (Khuli | nit Rate na, Barisal, palgonj) | (F | Jnit Rate Rajshahi, Rangpur) |
|--------------|---|-------|--------------------------|-------|-----------------------------|---------|--------|--------------------------------------|-----|------------------------------------|
| 08.5.1 | Supplying, fitting and fixing ribbed PVC water stopper with non centre bulb of width approx. 250 mm and approx 9 mm thick for immovable (non working) RCC joints, having minimum tensile strength of 8.27MPa (approx. 1200 psi) min ultimate elongation 350%, approximate hardness 50, minimum tear resistance 0.0175 kN/mm (100 lbs/inch) at RCC construction green joints in basements, approved and in consultation with design office, providing 38 mm x 62 mm wooden batten at the top and bottom of water stopper, holding in position and keeping the water stopper in true horizontal or vertical by appropriate means as where necessary etc; all complete and accepted by the Engineer-in-charge. | meter | Tk. 1,0 | 22.00 | Tk. 1 | ,018.00 | Tk. | 994.00 | Tk. | 994.00 |
|)8.5.2 | Supplying, fitting and fixing ribbed PVC water stopper with centre bulb of width approx. 250 mm and approx 9 mm thick for immovable (non working) RCC joints, having minimum tensile of strength 8.27 MPa (approx. 1200 psi) minimum ultimate elongation 350%, approximate hardness 50, minimum tear resistance 0.0175 kN/mm (100 lbs/inch) at RCC construction green joints in basements, approved and in consultation with design office, providing 38 mm x 62 mm wooden batten at the top and bottom of water stopper, holding in position and keeping the water stopper in true horizontal or vertical by appropriate means as where necessary etc; all complete and accepted by the Engineer-in-charge. | meter | Tk. 1,1 | 06.00 | Tk. 1 | ,103.00 | Tk. | 1,078.00 | Tk. | 1,078.00 |
| 08.6 | Supplying, fitting and fixing 250 mm wide 16 SWG Steel Sheet water stopper in RCC construction joint holding in position and keeping the water stopper in true horizontal or vertical by appropriate means as where necessary etc; all complete and accepted by the Engineer-in-charge. | meter | Tk. 3 | 75.00 | Tk. | 374.00 | Tk. | 370.00 | Tk. | 370.00 |
| 08.7.1 | Manufacturing, supplying, fitting and fixing Expansion Joint for gap upto 100mm with 125mmx50mmx6mm and 75mmx50mmx6mm galvanized MS angle and 8mm thick galvanized MS plate etc. all complete as per drawing, design and accepted by the Engineer-in-charge. | meter | Tk. 7,7 | 65.00 | Tk. 7 | ,757.00 | Tk. | 7,714.00 | Tk. | 7,714.00 |
| 8.7.2 | Manufacturing, supplying, fitting and fixing Expansion Joint for gap more than 100mm up to 150mm with 150mmx50mmx6mm and 100mmx50mmx6mm galvanized MS angle and 8mm thick galvanized MS plate etc. all complete as per drawing, design and accepted by the Engineer-in-charge. | meter | Tk. 9,1 | 55.00 | Tk. 9 | ,147.00 | Tk. | 9,105.00 | Tk. | 9,105.00 |
| 08.7.3 | Manufacturing, supplying, fitting and fixing Expansion Joint for gap more than 150mm up to 200mm with 175mmx50mmx6mm and 125mmx50mmx6mm galvanized MS angle and 8mm thick galvanized MS plate etc. all complete as per drawing, design and accepted by the Engineer-in-charge. | meter | Tk. 10,5 | 46.00 | Tk. 10 | ,538.00 | Tk. | 10,496.00 | Tk. | 10,496.00 |
| | END OF CHAPTER EIG | нт | L | | | | | | | |
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