### Work: Construction of G+7 RCC Framed Structure tenements blocks in Chennai near Perumbakkam Phase- II (Package-2C)

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Description</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1) Construction of tenements of 1 block</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Depth upto 0 to 2.00m</td>
<td>2500</td>
<td>Cum</td>
<td>77.00</td>
<td>192500.00</td>
</tr>
<tr>
<td>b)</td>
<td>Depth upto 2 to 3.00m</td>
<td>1200</td>
<td>Cum</td>
<td>99.00</td>
<td>118800.00</td>
</tr>
<tr>
<td>2</td>
<td>Filling in foundation and basement with river sand in layers not exceeding 15 cms thick well watered rammed and consolidated complying with relevant standard specification including the cost of supplying river sand</td>
<td>150</td>
<td>Cum</td>
<td>927.00</td>
<td>139050.00</td>
</tr>
<tr>
<td>3</td>
<td>Cement concrete 1:4:8 (one of cement, four of sand and eight of hard broken stone) using 40mm size hard broken stone inclusive of shoring, strutting, bailing out water, ramming, curing, etc complete as directed by the departmental officers</td>
<td>230</td>
<td>Cum</td>
<td>2860.00</td>
<td>657800.00</td>
</tr>
<tr>
<td>4</td>
<td>Refilling with selected excavated earth other than sand complying with relevant standard specifications for refilling in foundation and basement including spreading in layers not exceeding 15cm thick, watering and consolidation by hand ramming, etc., complete as directed by the departmental officers</td>
<td>3150</td>
<td>Cum</td>
<td>62.00</td>
<td>195300.00</td>
</tr>
<tr>
<td>5</td>
<td>Filling the basement with selected quarry dust complying with relevant standard specifications for basement etc. including watering and consolidation by hand ramming etc. complete as directed by the departmental officers (The cost inclusive of quarry dust)</td>
<td>170</td>
<td>Cum</td>
<td>524.00</td>
<td>89080.00</td>
</tr>
<tr>
<td>6</td>
<td>Brickwork in cement mortar 1:5 (One of cement and five of sand) using ground moulded II class chamber burnt bricks of size 9&quot; x 4 3/8&quot; x 2 3/4&quot; in foundation and basement including dewatering wherever necessary proper setting and curing etc. complete in all respects</td>
<td>255</td>
<td>Cum</td>
<td>3956.00</td>
<td>1008780.00</td>
</tr>
</tbody>
</table>

### Total

<table>
<thead>
<tr>
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<th>Rate (Rs.)</th>
<th>Amount (Rs)</th>
</tr>
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<tbody>
<tr>
<td>In Foundation &amp; basement</td>
<td>255</td>
<td>Cum</td>
<td>3956.00</td>
<td>1008780.00</td>
</tr>
</tbody>
</table>
**PRICED BILL OF QUANTITIES**

**Work:** Construction of G+7 RCC Framed Structure tenements blocks in Chennai near Perumbakkam Phase- II (Package-2C)

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<tr>
<td>7</td>
<td>Providing and laying the READY MIX CONCRETE of M 25 Grade using ordinary Portland cement with a minimum cement content of 370 Kg/m³ with water cement ratio not exceeding 0.45 including the use of plastixer of approved make and dosage of required grade, laying in position at all locations and levels using 20mm size and downgraded ISS HBG aggregates in all types of works, cost of sand of approved quality including hire charges for pump and pumping charges to the required location, machine vibrating, pumping, curing, providing fixtures like fan clamps etc as specified, charges for conveyance of RMC from plant to the site or all as required excluding cost of reinforcement and fabrication charges, centering and shuttering, mix design details to get approved before commencement of the work adopting pour card system by the departmental officers etc., complete as per IS 4926 - 1976/1990 including supplying and fixing concealed electrical conduit as per specification as required in ceiling, columns and beams. In All floors</td>
<td>2900</td>
<td>Cum</td>
<td>4145.00</td>
<td>12020500.00</td>
</tr>
<tr>
<td>8</td>
<td>Plain cement concrete 1:3:6 (One of cement, three of sand and six of hard broken stone) using 20mm size hard broken granite broken stone for foundation including laying, shoring, strutting bailing out water, ramming, finishing, curing etc., complete as directed by the departmental officers.</td>
<td>15</td>
<td>Cum</td>
<td>3201.00</td>
<td>48015.00</td>
</tr>
<tr>
<td>9</td>
<td>Supplying and filling in expansion joint using polymic rigid, conforming to provision under BS 5628 part 3, DOT specification having the following minimum 0.080 Max kg/m². sq. of cut surface area, 94% recovery at 50% compression (Duraboard HD 100 of approved species or equivalent) with foam back up rods (of dia 25% larger than the width of joints cavity) having minimum properties of density of 0.022 kg/cm³ water absorption of 0.014 max GM/CM³., ELONGATION 100-175% (VIZ., dUR Rod or equivalent make) complete as per drawings and specification and as directed by the departmental officers – 20mm thick</td>
<td>440</td>
<td>Sqm</td>
<td>263.00</td>
<td>115720.00</td>
</tr>
<tr>
<td>10</td>
<td>Filling and sealing the expansion joint on the necessary Dura rod, to a size of 20x12.5 mm sealing tape as per details / drawings. Poly sulphide sealant CIDOSEAL (or) in equivalent - PS Gun grade of two part component capable of withstanding repeated extensions, compressions, vibration and cyclic movements without loss of adhesion and resist deterioration by watering, sunlight, ozone, water, salt, water, oil, fuels, acids and most of the commonly used chemicals etc., complete with in min 50% movement capacity.</td>
<td>60</td>
<td>RM</td>
<td>263.00</td>
<td>15780.00</td>
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</table>

Signature of Contractor with Seal

EPI
**Engineering Projects (India) Limited**  
(A Govt. of India Enterprise)

**PRICED BILL OF QUANTITIES**

Work: Construction of G+7 RCC Framed Structure tenements blocks in Chennai near Perumbakkam Phase-II (Package-2C)

<table>
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<th>Amount (Rs)</th>
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<tbody>
<tr>
<td>11</td>
<td>Supplying and fixing of expansion joint material of dural or equivalent with necessary equivalent property material like EPDM sheet 1mm thick x 300mm wide over the parent slab and the filler materials of poly ethylene in between the expansion joint gap, with 10mm thick poly sulphide sealant of don construction chemicals to arrest the seepage at top finish with GI sheet of 18 gauge for coping arrangements to drain out the water away from the treated joint. The cost of inclusive cost conveyance and labour charges etc., complete as directed by the deptl., officers.</td>
<td>18</td>
<td>RM</td>
<td>263.00</td>
<td>4734.00</td>
</tr>
<tr>
<td>12</td>
<td>Providing form work for centering, shuttering etc., for all reinforced concrete work such as plinth beam, raft beam, raft slab, grade beam etc., including strutting and shuttering wherever required using MS sheets of suitable size of BG 10, stiffened with MS angle of size 25mm x 25mm x 3mm laid over silver oak (Country wood) joists of size 10cm x 6.5 cm (Spaced about 91cm center to center) distance and supported by casurina props of size 10cm - 13cm dia (spaced at 75 cm center to center) and removing the same after a specified period without damaging RCC works in all floors etc., complete as directed by the departmental officer. (Grade beam / Plinth beam)</td>
<td>1450</td>
<td>Sqm</td>
<td>132.00</td>
<td>191400.00</td>
</tr>
<tr>
<td>13</td>
<td>Providing form work for centering, shuttering etc., for all reinforced concrete work like lintels, window boxing etc., including shuttering, upto 3.00m high using MS sheet of size 90cm x 60cm and BG 10, stiffened with MS angle of size 25mm x 25mm x 3mm laid over silver oak (Country wood) joist of size 10 cm x 6.5 cm (spaced about 91cm centre to centre) distance and supported by casurina props of size 10cm to 13cm dia (spaced at 75cm centre to centre) and removing the same after a specified period without damaging RCC works in all floors etc complete as directed by the departmental officer. (Sunshade /Window/Boxing / column)</td>
<td>5010</td>
<td>Sqm</td>
<td>189.00</td>
<td>946890.00</td>
</tr>
<tr>
<td>14</td>
<td>Providing form work for centering, shuttering etc., for all reinforced concrete work like slab, beams, lintels, loft etc., including shuttering, upto 3.00m high using MS sheet of size 90cm x 60cm and BG 10, stiffened with MS angle of size 25mm x 25mm x 3mm laid over silver oak (Country wood) joists of size 10 cm x 6.5 cm (Spaced about 91cm center to center) distance and supported by casurina props of size 10cm- 13cm dia (spaced at 75 cm center to center) and removing the same after a specified period without damaging RCC works in all floors etc., complete as directed by the departmental officer. (Slabs, Lintels &amp; Lofts)</td>
<td>13450</td>
<td>Sqm</td>
<td>257.00</td>
<td>3456650.00</td>
</tr>
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**PRICED BILL OF QUANTITIES**

**Work:**  Construction of G+7 RCC Framed Structure tenements blocks in Chennai near Perumbakkam Phase- II (Package-2C)

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<tr>
<td>15</td>
<td>Supplying, fabricating and placing in position the following kinds of steel grills for reinforcement for all RCC works and other civil works etc., including the cost of steel, binding wire and fabrication of reinforcement grills etc., complete complying with relevant standard specification</td>
<td></td>
<td></td>
<td>47572.00</td>
<td>25165588.00</td>
</tr>
<tr>
<td></td>
<td>Steel rods of all sizes</td>
<td>529</td>
<td>MT</td>
<td></td>
<td></td>
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<tr>
<td>16</td>
<td>Cement concrete 1:5:12.5 (One of cement, five of sand and twelve and half of broken brick jelly) using 20mm size broken brick jelly including laying, ramming, curing finishing, etc. complete as directed by the departmental officers</td>
<td>220</td>
<td>Cum</td>
<td>2486.00</td>
<td>546920.00</td>
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<tr>
<td>17</td>
<td>Weathering course in concrete broken brick jelly 20mm size in pure slacked lime over RCC roof slab the proportion being 32:12 1/2 (Thirty two parts of broken brick jelly and twelve and half of slacked lime) laying to a thickness of 110mm and compacted and well beaten to 80mm by using wooden hand beater of weight not exceeding 2 kg hand beating sprinkling liberally with lime water and a small proportion of solution prepared by soaking kadukkai dry nut powder and jaggery (vellam) and giving required slope and thickness on roof etc. completed as directed by the departmental officers in the 8th floor terrace</td>
<td>874</td>
<td>Sqm</td>
<td>419.00</td>
<td>366206.00</td>
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<tr>
<td>2)</td>
<td><strong>Filling low lying area</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Filling the low lying areas to the required formation level using approved quality of earth (The filling earth should not contain more than 20% of clay and silt). Conveying from any sources with a lead of 12 KM from outside the scheme including cutting the earth to required depth, loading, conveying by lorries, unloading at site of work, spreading in layers of 150mm thick, watering and necessary compaction with power roller rolling to achieve the proctor density of not less than 98%. The cost also the include the hire charges for all tools and plants, machinery, fuel charges etc., complete in all respects and as directed by the departmental officers. (The payment shall be made for the consolidated quantity of one cubic metre based on levels).</td>
<td>5500</td>
<td>Cum</td>
<td>110.00</td>
<td>605000.00</td>
</tr>
</tbody>
</table>

**Total Amount = 45884713.00**