



Hindustan Prefab Limited
(A Govt. of India Enterprise)
Jangpura, New Delhi – 110014

Name of Work: - Black Topping of Existing Road For Assam Rifles Training Centre And School at Sukhuvi (Nagaland).

LIST OF SPECIFICATIONS & PREFERRED MAKES

NIT NO: HPL/DGM(C)/TC/AR/2017-18/92 **dated:** 22.12.2017

Last date for issue of Tender Form : 30.12.2017

Last date for submission of Tender : 30.12.2017

COST OF TENDER: Rs. 5900/-

EMD: Rs. 3.60 Lakh.

ISSUED TO M/s:

Ph- (011) 43149800-899, **Fax:** (011) 26340365
E-mail:- hindprefab@gmail.com
Website: www.hindprefab.in,

LIST OF PREFERRED MAKES FOR CIVIL WORKS

| Sl. No. | Material description | Approved Manufacturer / Brand Name |
|----------------|---|--|
| 1. | TMT bars – Fe 500 grade (Ductile or Super Ductile) having Ultimate Strength atleast 15% higher than Yield Strength | Primary / Main producers like SAIL, Rashtriya Ispat Nigam Ltd., TISCO, Jindal Panther, Shyam Steel |
| 2. | Cement (OPC/PPC) as per IS:8112 and IS:12269/IS:1489(Part-I &II) (PPC shall be from reputed manufacturer having annual production of atleast one million tons or more) | Jaypee Cement, J.K. Cement, Shree Ultra Cement, Ultra Tech, A.C.C., Birla, Lafarge, Dalmia. |
| 3. | Water proofing compound | WEBER, FOSROC, PIDILITE, CICO, dr fixit, BASF |
| 4. | Chemical admixtures and construction chemicals | FOSROC, PIDILITE, dr fixit, BASF |
| 5. | Any Other Items | On approval of Engineer-in- charge |

Note:- In Case, Any Other Item/ Material Required To Complete The Work For Which Makes Are Not Specified Above, The Contractor Shall Take Prior Approval Of The Engineer-In- Charge.

TECHNICAL SPECIFICATIONS (GENERAL)

All works shall be executed as per CPWD Specification 2014 Vol. I & II in general and latest IS Standards .These Specifications cover all types of Building and external development Works.

The lump sum per Sqm rate/Item Rate quoted by the contractor, for the Building works shall include for all materials and labour complete as specified in Specifications and as shown on drawings, including notes thereon and interalia shall also include the following:-

- (a) Pre-construction anti-termite treatment to all buildings except Cycle sheds/scooter stands all as specified.
- (b) All built-in furniture items such as cupboards, letter boxes, study alcoves, book shelves, display cabinets, peg sets, kitchen fixtures etc. drapery rods, and other miscellaneous items all as shown on drawings and/or as specified here-in-after.
- (c) All toilet/sanitary appliances, fittings/fixtures/accessories and connections including all traps (Nahani traps, floor traps, SGSW gully traps, cockroach traps etc) with gratings all as required, as specified and/or as shown on drawings.
- (d) Plumbing and Sanitation complete with toilet / sanitary fittings and fixtures including soil, waste & vent pipes, first manholes (one No. each for each toilet & kitchen at ground floor), SGSW pipe from gully traps to first manholes, vent pipes upto a height of 0.30m above roof slab and vent cowl. All soil/waste pipes shall be taken vertically below GL to a depth as required and shall be provided with a heel rest bend at the lower end and soil pipes shall be connected upto first manhole with required slope. Irrespective of what is shown on drawings, the first manholes shall be constructed at a distance of 3.00 mtr from the respective external face of the wall except
- (e) RCC shelves and Stone shelves of any numbers of tiers, RCC Cooking Platforms covered with granite or other stone as specified, Working Platforms, Steel Ladders, Rungs, Trap Doors, Mirrors, Mirrors with Cabinets, Towel Rails, Towel Racks, Corner glass shelves, RCC Jali, Brick Jali, Lofts with loft doors in the DUs and open lofts in garages / car garages / scooter garages / scooter sheds, Steel doors for garages/car garages/scooter garages/scooter sheds, Doors, Windows and Vents complete with wire gauze & glazing and builders hardware, railings, mild steel stands for coolers, grills for openings & windows, glass shelves all as specified and/or as shown on drawings.

(f) Cutting/leaving/forming necessary chases / recesses, holes and sinking's etc wherever required through / in walls, floors, roofs & ceilings and making good in cement mortar (1:3) and finishing to match the adjoining surfaces for the works required in connection with the works included in the schedules for internal water supply, internal electrification works and plumbing etc. and other schedules.

(g) RCC overhead tanks on roofs for storage of water for fire and domestic purposes, staging for rotational moulded HDPE tanks for solar water heater works including 20mm bore G.I. medium grade overflow pipe for these tanks including bringing the same upto nearest sump / outlet of RWP/spouts/poles, 40mm bore G.I. medium grade flush pipe with plug for tanks, 15mm bore G.I. medium grade vent pipe with anti-mosquito rose to be provided with overflow and vent pipes of these tanks all as specified and/or as shown on drawings.

(h) Plinth protection along with flooring at stilt level, platforms, balconies, lobbies, staircases including fire escape staircase, passages, ramps, steps, mumty, fibre glass sheet roofing, structural glazing etc. all as specified and/or as shown on drawings.

(j) Com. store, lift well, shafts, parking area, at stilt level all as specified and / or as shown on drawings.

(k) CI/Pressed steel fan boxes with hooks duly painted with two coats of synthetic enamel paint over a coat of red oxide primer all as specified and/or as shown on drawings.

(l) Openings required for Exhaust fans etc. all as specified and/or as shown on drawings.

(m) Coping over parapet walls, PCC Cills with stone cills (stone as specified) for window openings, spouts, flower box etc. all as specified and/or as shown on drawings.

(n) Internal and external finishes to various rooms / components / parts / portions / locations / fittings / fixtures / accessories of the buildings all as shown in schedule of finishes and as specified here-in-after and/or as shown on drawings.

(o) Strengthening measures for the buildings for required Seismic Zone.

(p) Numbering of blocks and dwelling units by providing numbered ceramic tiles at two places for each block and at one place for each dwelling unit respectively all as specified in note No.16 here-in-after.

(q) Excavation and earth work including preparatory works, surface excavation and surface dressing required for Building portion and alround area covered upto

outer edge of plinth protection for each block including clearing of all vegetation, bushes, shrubs, grass etc of any girth / height except trees having girth of more than 30 cm. when measured at 1 meter above existing ground falling in this area all as specified and/or as shown on drawings.

(r) Dressing and levelling of site upto 3 metres from the outer edge of plinth protection around for each block.

(s) All fittings, fixtures, accessories, built in furniture items, doors, windows and ventilators and other items shown in plan of any dwelling unit shall be provided in all such similar dwelling units on all floors without any extra cost to the Govt.

- 6 All Reinforced cement concrete work e.g. in footings, walls, columns, beams, slabs, etc. shall be concrete. Mixing of concrete shall be as per IS: 456.
7. Unless otherwise specified, unit rates of all items will include for all materials and labours complete all as specified and/or shown on drawings. Contractor's special attention is drawn to the fact that all the provisions including use of materials or labours or both, specified in the specifications and/or shown on drawings but not specifically included in the description of the relevant items shall be deemed to be included in the lump sum amount quoted by the contractor and nothing extra shall be admissible on this account.
8. The lump sum quoted by the tenderer for the works shall be deemed to include for construction of various buildings by providing all relevant items of works shown on drawings, notes therein and/or as specified in specifications including these notes complete for entire completion of works including the internal plumbing and internal electrical works of Buildings complete as per specs and drawings unless otherwise specifically stated elsewhere in the tender documents.