

Section 6: Employer's Requirements

This Section contains the Specifications, Drawings, Supplementary Information that describe the Works to be procured, Personnel Requirements, and Equipment Requirements.

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Specifications & EMP

Refer Volume III, Section 6(a)

A Site Specific Environmental Management Plan (SSEMP) under which the Site Specific Health and Safety Management Plan (SSHSMP) is attached as EMP. The SSHSMP is to be submitted to the Engineer and a confirmation of no objection of the SSHSMP should be obtained from the Engineer prior to commence of site work.]

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Drawings

Refer Volume-IV, V & VI Section-6(b)

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Supplementary Information
Regarding Works to Be Procured

- Health and Safety COVID-19 Plan (HS-C19 Plan), in accordance with *World Health Organization 2020. Considerations for public health and social measures in the workplace in the context of COVID-19. Geneva. Available here: <https://www.who.int/publications-detail/considerations-for-public-health-and-social-measures-in-the-workplace-in-the-context-of-covid-19> shall be the regulations and guidance specific to COVID-19 prevention and controls, and worksite safety measures requirements that are deemed applicable to the contract.*
- **Environmental Management Plan (“EMP”) as Supplementary Information as the Employer’s Requirements has been attached as a part Volume-III shall also be applicable to the contract.**

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Personnel Requirements

Using Form PER - 1 and PER - 2 in Section 4 (Bidding Forms), the Bidder must demonstrate that it has personnel who meet the following requirements:

No.	Position	Qualification	Total Experience (years).	Work Experience (years).	Experience in Similar Work (years).
1	Project Manager	B.E Civil	12		10
2	Deputy Project Manager/ Highway Engineer- (2 Nos.)	B.E Civil	7		5
3	Material Engineer	B.E Civil	7		5
4	Bridge/ Structural Engineer	B.E Civil	7		5
5	Asphalt Pavement Engineer	Dip. Civil	7		5
6	Plant and Equipment Engineer	Dip. Mech	7		5
7	Planning and Scheduling Engineer	B.E Civil	7		5
8	Quantity Surveyor	Dip. Civil	7		5
9	Surveyor (3 Nos.)	Dip. Civil	7		5
10	Safety and Environmental Engineer	Diploma/Degree in Civil Engineering with Highway Safety Audit certificate from recognized Institute	3		3

Equipment Requirements

Using Form EQU in Section 4 (Bidding Forms), the Bidder must demonstrate that it has the key equipment listed below:

No.	Equipment Type and Characteristics	Min. Number Required	Maximum age on 28 days before the submission of bid (years)
1	Hot Mix Plant (Batch type only with electronic & computer controls and vibratory screens, Minimum 100 Tonne / Hour Capacity)	2	5
2	Asphalt Paver finisher with electronic sensors for automatic level control capable of Paving 7 m width.	2	5
3	WMM Paver with electronic sensors for automatic level control, Capable of paving 7 m width.	2	5
4	Motor Grader, 120HP, 100 Cu m/ Hour Capacity	3	5
5	W.M.M. Mixing Plant, 120 Tonne/ Hour Capacity	2	5
6	Hydraulic Excavators, 80 Cu m/ Hour Capacity	2	5
7	Concrete Batching and mixing plant-outline requirements and salient features (20 Cu m/ Hour Capacity) <ul style="list-style-type: none"> • Weighing multi compartment, Computerized integrated system 	1	5
8	Concrete Pumps, Max vertical reach not less than 15m pumping 20 Cu m/ Hour	1	5
9	Pneumatic Tyred Roller, Operating weight not less than 12 tonne; minimum 8 tyred with self inflating system	4	5
10	Vibratory Roller, Minimum 10 Tonne operating Wt.	4	5
11	Tandem Vibratory Roller, Minimum 8 Tonne	3	5
12	Tipper/ Trucks (10 Tonne Capacity)	10	5
13	Tipper/ Trucks (20 Tonne Capacity)	15	5
14	Concrete Mixer, 160 HP	1	5
15	Transit Mixer, 5 Cum Capacity	3	5
16	Bitumen Pump Distributor (6 Tonne Capacity)	2	5
17	Mechanical Broom	1	5
18	Hydraulic Cranes, Minimum 25 Tonne Capacity	1	5

Note – 1. The key equipment with fixed foundation shall be either owned or leased or, otherwise bid shall be treated as non-responsible. For all other equipment including the movable ones, Minimum 50 % of these shall either be owned or leased, 100 % in case of 1 number.

2. In case, a bidder is submitting Bids for multiple contracts, Bidder has to give an undertaking that, in case of award of multiple contracts, the same equipment shall not be used for other contract/ packages.