

ORIGINS

by **Mahindra** WORLD CITY

Where Business Comes To Life

TENDER DOCUMENT

PACKAGE NO: P1-E1 **ROAD & ALLIED CIVIL WORKS**

PROJECT:

**Development of "ORIGINS by Mahindra world City"-
INDUSTRIAL PARK PROJECT**

By Mahindra Industrial Park Pvt. Ltd. (MIPPL)

Location: Village-Jansali, Tal-Limbdi, Dist-Surendranagar.
(363425) Gujarat.

Partners:

Project Management Consultants



Achieve Ambitions

Infrastructure Consultants



**INI INFRASTRUCTURE
& ENGINEERING**



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SCHEDULE 'A'

MATERIALS SUPPLIED BY DEVELOPER

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1) Allowable Wastage Limits

- Cement - 2%
- Reinforcement steel - 3% including rolling margin.

NOTE

All materials stated under Schedule B above required by the Contractor shall be arranged and supplied by the Project Company. The Contractor has to unload and protect such materials on arrival at site at his own cost. It is utmost duty of the contractor to protect safeguard and store such materials in good condition in sheds erected and maintained by Contractor.

All materials and services issued by the Project Company to the Contractor free of cost or at basic price shall not be abused by the Contractor. If such materials and / or services are abused, lost and / or damaged while in the custody of the Contractor the cost of such materials and / or services shall be recovered from the Contractor at penal rates fixed by the Project Company as stated in following paragraph. The decision of the Project Company whether any material / services are abused, lost and / or damaged shall be final and binding on the Contractor.

In case material is provided by the Project Company, the permissible wastage shall be as stated in this document. In case the actual consumption of materials supplied by the Project Company exceeds the theoretical amount plus permissible wastage, actual costs will be recovered from the Contractor. The actual cost will include the replacement price of the material plus 10% towards overheads such as the cost of transport, storing, duties etc. In case the material is lost due to theft or reasons attributable to the Contractor then the recovery will at 1.25 times the issue rate or the prevailing market price whichever is higher. The decision of the Project Company about the prevailing market price shall be final and binding.

The Contractor shall include the cost of wastage for all material procured by him and/or supplied by Project Company while quoting rates. No extra payment or claim shall be entertained by the Project Company in this regard.

While reconciling for the materials, the wastage shall be considered as specified and approved by the Project Company. Any additional wastage shall be recovered at the rate 1.25 times the market / basic price whichever is higher.

The Contractor to make necessary arrangement to verify quality and testing on receipt of each lot of materials procured by Contractor as and when received at site. Cost of testing shall be paid by the Contractor.

SCHEDULE 'B'

BASIC RATE MATERIALS TO BE PROCURED BY CONTRACTOR

Following materials to be procured by contractor shall have basic rates as specified in the documents below.

- Cement
- Reinforcement Steel
- Ready-mix concrete
 - M10
 - M15
 - M25
 - M30
 - M35
 - M40
- DWC Pipe (SN-8)
 - 100mm
 - 150mm
 - 200mm
 - 250mm
 - 300mm
 - 400mm
- Light Pole
- Light Fixture
- Cables-3.5 Core
 - 25 Sq.mm
 - 35 Sq.mm
 - 50 Sq.mm
 - 70 Sq.mm
 - 95 Sq.mm
 - 120 Sq.mm
 - 150 Sq.mm
 - 185 Sq.mm
 - 240 Sq.mm

Allowable Wastage Limits

- | | | |
|---------------------------------|---|------------------------------|
| • Cement | - | 2% |
| • Cement Concrete | - | 2% |
| • Reinforcement steel | - | 3% including rolling margin. |
| • Pipes | - | Zero wastage |
| • Cables, Light Fixtures, Poles | | Zero Wastage |

Use of basic rate material shall be restricted to works being executed at site and forming part of permanent and not temporary works (such as site office, stores,

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go-down, etc.) and labour hutments, Property rights of the materials shall continue to vest with the Project Company. The Contractor shall not utilize the materials or deal with them in any manner whatsoever except for use in the Contract.

The Project Company reserves the right to direct the Contractor to procure basic price material from his supplier.

It shall be Contractor's responsibility to co-ordinate and receive delivery of material in time from suppliers/manufacturers when instructed by the Project Company.

Cement received at site shall be stacked by the Contractor in weather tight sheds constructed on work site away from walls and on a damp-proof floor. Consignments shall be used in the order in which they are received. Adequate arrangements shall be made for keeping the shed dry during the wet weather by all means or as directed by the Engineer. Steel received at site shall be stacked on firm ground with proper use of sleepers to avoid contamination with mud / soil etc. Steel shall be kept covered with plastic to avoid normal rusting.

All other materials shall be stacked in secured godown preferably weather tight. Floor shall be firm and stacking shall be in most planned manner to avoid damage, contamination, warping, obstruction etc. It shall allow 1st come 1st used facility.

All godowns shall be lockable and under strict control of the Contractor's representative. The Project Company or his representative shall have access at any time to all stores, godown etc. His guidance and instruction in up keeping shall be followed.

Basic Rate Adjustment

Adjustments for changes in cost shall not apply except that for materials stated under Section 2 above and Special Conditions of Contract. The accepted Contract Amount shall be deemed to have included the amounts to cover the contingency of any rise or fall in costs of all other items.

The Contractor shall while submitting the Tender consider following basic rates (The basic rate shall be defined as material's landed cost at site (i.e. material price + loading + transportation + all other taxes/insurances/duties/cess etc. all) excluding GST. Since the material is procured by the contractor on basic rates, unloading of the same shall be part of his labour rate):

Sr. No.	Item	Basic Rate (Rs.)	Unit
1	Cement (OPC - 43 Grade)	222	Bag
2	Cement (OPC - 53 Grade)	227	Bag
3	Cement (PPC)	219	Bag
4	Reinforcement Steel	39,000	MT
5	RMC Concrete		Cu. M
a	M10	2,770	Cu. M
b	M15	2,950	Cu. M

c	M25	3,470	Cu. M
d	M30	3,580	Cu. M
e	M35	3,850	Cu. M
f	M40	3,875	Cu. M
6	DWC Pipes (SN-8)		Rmt
a	100 mm	130	Rmt
b	150 mm	200	Rmt
c	200 mm	315	Rmt
d	250 mm	505	Rmt
e	300 mm	835	Rmt
f	400 mm	1,400	Rmt
7	Light Pole	10,500	Nos
8	Light Fixture		Nos.
	45 W	2500	Nos
	120 W	7500	Nos
9	Cables 3.5 Core		
	25 sq mm	135	Rmt
	35 sq mm	161	Rmt
	50 sq mm	208	Rmt
	70 sq mm	283	Rmt
	95 sq mm	341	Rmt
	120 sq mm	427	Rmt
	150 sq mm	505	Rmt
	185 sq mm	631	Rmt
	240 sq mm	794	Rmt
	300 sq mm	972	Rmt

Any increase or decrease in basic rates of material as mentioned above shall be paid or recovered at actual. Contractor shall submit the documentary evidence of purchase & invoices raised by supplier of that material to substantiate the claim for price escalation for materials mentioned above. For determination of price escalation, the quantities which are certified in Bill of Quantities attached with progress payments shall be considered as base quantity. The price escalation for material shall be paid only for materials that will be consumed for permanent works at site and not for temporary works already done at site. Price escalation will be paid for base quantities of steel executed and measured at site as per item description excluding chairs, unauthorized laps, pins etc but adding allowable wastage as mentioned above

For materials with basic rates, the allowable wastage limits specified in Section 2 of this document shall be referred to. The said wastage limits are applicable for the payment of variation of the basic rates only for materials so specified herein.

Price escalation will be paid for actual quantity of cement derived from the constants mutually agreed by Project Company & Contractor from as executed and measured quantities of various items requiring cement at site as per BOQ item descriptions of respective items.

The Contractor, before purchasing all materials whose basic rates have been mentioned herein, must seek approval from the Project Company, failing which it will be considered as breach of contract.

Contractor shall submit at least three quotations for approval of Project Company prior to purchasing the material. Project Company shall thereafter give his approval as per the best negotiated rates by the Project Company. If the rates negotiated by Project Company are lower than that of Contractor, in such case Contractor shall negotiate with his vendor/supplier to get the same rates as approved by Project Company on the same terms & conditions. Failing which contractor may request Project Company for supply of the materials from Project Company's vendor. However, in this case onus of all the coordination payments, logistics, quality, testing etc. of materials remains with the Contractor.

If the materials are procured by Contractor from Project Company's vendors/suppliers, Project Company reserves right to route payments to such vendors/supplier through the Escrow account as specified in General Conditions of Contract.

The contractor shall seek rate approval and claim the price difference positive or negative on monthly basis.

Specification of Filter Media

Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and technical specification.

1. Well graded pebbles or metal of 40 mm. to 63 mm. size shall be used. The grading & tolerances of metal or pebbles should be as under.

Sr. No.	No. of size range	Sieve designation	Percentage by weight passing through the sieve
1.	63 mm. To 40 mm.	90 mm.	100 - 50
		63 mm.	85 - 100
		50 mm.	35 - 70
		40 mm.	00 - 15
		20 mm.	00 - 05

The size shall be 40 mm. to 63 mm. Wherein tolerance limit for oversize shall be up to 15% and that for lower size should be up to 15% & below 20 mm. it shall be allowable up to 5%., the filter material tightly placed to a thickness not less than 600 mm. & provided over the entire surface behind abutments wings or return walls to the full height.

2. Materials shall be first stacked in boxes of 2 m. x 1.5 m. x 0.5 m. size on fairly level ground and measured.
3. The measurement for payment shall be made on Cum basis.
4. The unit rate includes to the cost of materials, scaffolding, labour & tools to complete the work.