**Equipment Management System, LGED**

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419722003 Laksam - Monohargonj Road 1500m - 3500m Base Course

M/S R-Ta Enterprise

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| 419272003 | Chandina-Latifpur Road |

Requirement Analysis:

* Website
* Template - **Structured**
* Menu Create-Home, contact form, About Us….. - **Structured**
* Registration Form – **Structured**
* Password Validation
* Password and Confirm Password matching check
* Confirmation Message
* Login System – **Structured**
* Change password option
* Forgot password option
* Contractors Dashboard- **Structured**
* Requisition Submit- **Structured**
* Request Date should be auto-collected
* Requisition to/from dates should not be less than current date
* Requisition from dates should not be less than Requisition to date
* Confirmation Message
* Admin Panel
* Master Setup
* Category Info. - **Structured**
* Equipment Information – **Structured**
* Operator/Driver Info. – **updated for district view**
* Admin Part
* Contractor List- **Structured**  (from e-GP website using API)
* Verify Contractor
* Delete Contractor

* Requisition List – **Structured**
* Filter by Upazila admin and forward to district admin
* Approve by District Admin
* By-pass, if header is not responding
* Approval information to contractor and driver
* Actual Movement record
* **Report Part**
* Current status (location, working/idle) of the equipments
* Allotment History of Equipments:
* Equipment wise
* District wise
* Date Range wise
* Revenue Generation Report:
* Date Range wise
* District wise
* Equipment wise
* User part (Should be visible only by System Admin)
* User Create/View/Edit/Delete - **Structured**
* Role Create/View/Edit/Delete - **Structured**
* Permission - **Structured**

**Important points:** (to be addressed)

* **Password and Confirm Password** matching check
* **Change password** option
* **Forgot password** option for contractor
* Send Notification or **Confirmation message** to **e-mail** and **mobile number**
* Auto-collection of **current-date**
* Requisition to/from dates should not be less than current date
* Requisition to date should not be less than Requisition from date
* **Availability of Equipment: within date interval**
* **Return** a Requisition Request with just adding a text note
* How to **print** within dependent **drop-downs select box?**
* Make some cells **read-only**
* Allotment History of Equipments::
* Equipment wise
* District wise
* Date Range wise
* Revenue Generation **Report**:
* Date Range wise
* District wise
* Equipment wise
* Bug fixing:
  + session\_start()
  + message
  + contractor\_info\_edit does not work
  + contractor\_view does not work
* **Availability of Equipment:** available/unavailable within date interval
* An equipment **should not be available** after assigning it to any Requisition Request
* It should be **available** again after returning from its previously assigned duty
* How to insert/update database simultaneously through a single event?

* **How to notify:**
* Contractors after Registration, Requisition received, and Requisition approved.
* Upazila Engineer (Forwarder) and Mechanical Foreman (Proposer) after Requisition approved.
* **How to return** a Requisition Request with just adding a text note?
* Return by Forwarder to Contractor.
* Return by Approver to Proposer.
* How to make any cell read-only?
* Division-District-Upazila drop-downs are not dependant.
* Equipment\_Category - Equipment\_id drop-down is not dependant
* equipment\_id drop-down should be filtered according to equipment\_category
* equipment\_id drop-down should be filtered according to district name
* How to import/display data from different tables
* equipment\_movement.php
* **Change of status** after an action # OK
* Two list? Pending list, Approved list.
* Requisition request may moved from pending list to approved list.

ALTER TABLE equipment\_info RENAME roller\_info;

RENAME TABLE old\_table\_name TO new\_table\_name;

$sql = "select ri.\*, ci.\* from requisition\_info as ri, contractor\_info as ci where ri.contractor\_id=ci.contractor\_id and ri.district='$district'";

$sql = "SELECT ri.district, ri.allotment\_no, ri.allotment\_date, ri.requisition\_from\_date, ri.requisition\_to\_date, ri.equipment\_type, ei.equipment\_id, ei.equipment\_brand, ei.equipment\_model, ei.equipment\_weight, di.driver\_name, di.driver\_mobile\_no

FROM requisition\_info as ri, equipment\_info as ei, driver\_info as di

WHERE di.equipment\_id=ei.equipment\_id and ei.equip\_id=ri.equipment\_id and ri.requisition\_id=21";

$sql = "SELECT ei.equip\_id, ei.division, ei.district, ei.equipment\_id, ei.allotment\_status, di.driver\_id, di.driver\_name, ri.requisition\_id, ri.upazila, ri.road\_name, ri.requisition\_from\_date, ri.requisition\_to\_date, ri.contractor\_name

                    FROM equipment\_info AS ei

                    RIGHT OUTER JOIN driver\_info AS di

                    ON ei.equipment\_id = di.equipment\_id

                    LEFT OUTER JOIN requisition\_info AS ri

                    ON ei.equip\_id = ri.equipment\_id

                    AND ei.allotment\_status=1

                    AND ri.equipment\_restore\_date IS NULL

                    HAVING ei.district='$user\_district'";

SELECT ei.equip\_id, ei.equipment\_id, ei.allotment\_status, di.driver\_id, di.driver\_name

FROM equipment\_info as ei, driver\_info as di

WHERE ei.equipment\_id=di.equipment\_id and ei.district='Cumilla' join

SELECT ri.requisition\_id, ri.district, ri.upazila, ri.road\_name, ri.requisition\_from\_date, ri.requisition\_to\_date, ri.contractor\_name

FROM equipment\_info as ei, requisition\_info as ri

WHERE ei.equip\_id=ri.equipment\_id and ei.district='Cumilla' and ei.allotment\_status =1;

SELECT ei.equip\_id, ei.division, ei.district, ei.equipment\_id, ei.allotment\_status, di.driver\_id, di.driver\_name, ri.requisition\_id, ri.upazila, ri.road\_name, ri.requisition\_from\_date, ri.requisition\_to\_date, ri.contractor\_name

FROM equipment\_info AS ei

RIGHT OUTER JOIN driver\_info AS di

ON ei.equipment\_id = di.equipment\_id

LEFT OUTER JOIN requisition\_info AS ri

ON ei.equip\_id = ri.equipment\_id

AND ei.allotment\_status=1

Having ei.district='cumilla';

SELECT ei.equip\_id, ei.division, ei.district, ei.equipment\_id, ei.allotment\_status, di.driver\_id, di.driver\_name, ri.requisition\_id, ri.upazila, ri.road\_name, ri.requisition\_from\_date, ri.requisition\_to\_date, ri.contractor\_name FROM equipment\_info AS ei RIGHT OUTER JOIN driver\_info AS di ON ei.equipment\_id = di.equipment\_id AND ei.district='Cumilla' LEFT OUTER JOIN requisition\_info AS ri ON ei.equip\_id = ri.equipment\_id AND ei.allotment\_status=1;

SELECT ei.equip\_id, ei.district, ei.equipment\_id, ei.allotment\_status, di.driver\_name, ri.upazila, ri.contractor\_name

FROM equipment\_info AS ei NATURAL JOIN driver\_info AS di having ei.district='Cumilla'

CREATE TABLE `divisions` (

`division\_id` int(16) NOT NULL PRIMARY KEY AUTO\_INCREMENT,

`division\_name` varchar(255) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `divisions` (`division\_id`, `division\_name`) VALUES

(1, 'Dhaka'),

(2, 'Chattogram'),

(3, 'Sylhet'),

(4, 'Mymensingh'),

(5, '**Rajshahi**'),

(6, '**Rangpur**'),

(7, '**Khulna**'),

(8, '**Barishal**'),

(9, '**-**');

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CREATE TABLE `districts` (

`district\_id` int(16) NOT NULL PRIMARY KEY AUTO\_INCREMENT,

`district\_name` varchar(255) NOT NULL,

`**division\_id**` int(16) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `districts` (`district\_id`, `district\_name`, `division\_id`) VALUES

(1, '[Dhaka](https://en.wikipedia.org/wiki/Dhaka_District" \o ")', 1),

(2, '[Faridpur](https://en.wikipedia.org/wiki/Faridpur_District" \o "Faridpur District)', 1),

(3, '[Gazipur](https://en.wikipedia.org/wiki/Gazipur_District" \o ")', 1),

(4, '[Gopalganj](https://en.wikipedia.org/wiki/Gopalganj_District,_Bangladesh" \o "Gopalganj District, Bangladesh)', 1),

(5, '[Kishoreganj](https://en.wikipedia.org/wiki/Kishoreganj_District" \o ")', 1),

(6, '[Madaripur](https://en.wikipedia.org/wiki/Madaripur_District" \o ")', 1),

(7, '[Manikganj](https://en.wikipedia.org/wiki/Manikganj_District" \o "Manikganj District)', 1),

(8, '[Munshiganj](https://en.wikipedia.org/wiki/Munshiganj_District" \o ")', 1),

(9, '[Narayanganj](https://en.wikipedia.org/wiki/Narayanganj_District" \o ")', 1),

(10, '[Narsingdi](https://en.wikipedia.org/wiki/Narsingdi_District" \o ")', 1),

(11, '[Rajbari](https://en.wikipedia.org/wiki/Rajbari_District" \o ")', 1),

(12, '[Shariatpur](https://en.wikipedia.org/wiki/Shariatpur_District" \o ")', 1),

(13, 'Tangail', 1),

(14, '[Bandarban](https://en.wikipedia.org/wiki/Bandarban_District" \o ")', 2),

(15, '[Brahmanbaria](https://en.wikipedia.org/wiki/Brahmanbaria_District" \o ")', 2),

(16, '[Chandpur](https://en.wikipedia.org/wiki/Chandpur_District" \o ")', 2),

(17, '[Chattogram](https://en.wikipedia.org/wiki/Chittagong_District" \o ")', 2),

(18, '[Cumilla](https://en.wikipedia.org/wiki/Comilla_District" \o ")', 2),

(19, "[Cox's Bazar](https://en.wikipedia.org/wiki/Cox%27s_Bazar_District" \o ")", 2),

(20, '[Feni](https://en.wikipedia.org/wiki/Feni_District" \o ")', 2),

(21, '[Khagrachhari](https://en.wikipedia.org/wiki/Khagrachhari_District" \o ")', 2),

(22, '[Lakshmipur](https://en.wikipedia.org/wiki/Lakshmipur_District" \o ")', 2),

(23, '[Noakhali](https://en.wikipedia.org/wiki/Noakhali_District" \o "Noakhali District)', 2),

(24, '[Rangamati](https://en.wikipedia.org/wiki/Rangamati_Hill_District" \o ")', 2),

(25, '[Habiganj](https://en.wikipedia.org/wiki/Habiganj_District" \o ")', 3),

(26, '[Moulvibazar](https://en.wikipedia.org/wiki/Moulvibazar_District" \o ")', 3),

(27, '[Sunamganj](https://en.wikipedia.org/wiki/Sunamganj_District" \o ")', 3),

(28, '[Sylhet](https://en.wikipedia.org/wiki/Sylhet_District" \o ")', 3),

(65, '-', 9);

CREATE TABLE `upazilas` (

`upazila\_id` int(16) NOT NULL PRIMARY KEY AUTO\_INCREMENT,

`upazila\_name` varchar(255) NOT NULL,

`district\_id` int(16) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `upazilas` (`upazila\_id`, `upazila\_name`, `district\_id`) VALUES

(1, 'Dhamrai', 1),

(2, 'Dohar', 1),

(3, 'Keraniganj', 1),

(4, 'Nawabganj', 1),

(5, 'Savar', 1),

(6, '[Barura](https://en.wikipedia.org/wiki/Barura_Upazila" \o ")', 18),

(7, '[Brahmanpara](https://en.wikipedia.org/wiki/Brahmanpara_Upazila" \o ")', 18),

(8, '[Burichong](https://en.wikipedia.org/wiki/Burichong_Upazila" \o ")', 18),

# (9, 'Comilla Adarsha Sadar', 18),

(10, '[Comilla Sadar Dakshin](https://en.wikipedia.org/wiki/Comilla_Sadar_Dakshin_Upazila" \o ")', 18),

(11, '[Chandina](https://en.wikipedia.org/wiki/Chandina_Upazila" \o "Chandina Upazila)', 18),

(12, '[Chauddagram](https://en.wikipedia.org/wiki/Chauddagram_Upazila" \o ")', 18),

(13, '[Daudkandi](https://en.wikipedia.org/wiki/Daudkandi_Upazila" \o ")', 18),

(14, '[Debidwar](https://en.wikipedia.org/wiki/Debidwar_Upazila" \o ")', 18),

(15, '[Homna](https://en.wikipedia.org/wiki/Homna_Upazila" \o ")', 18),

(16, '[Laksam](https://en.wikipedia.org/wiki/Laksam_Upazila" \o ")', 18),

(17, '[Lalmai](https://en.wikipedia.org/wiki/Lalmai_Upazila" \o ")', 18),

(18, '[Monohorgonj](https://en.wikipedia.org/wiki/Monohorgonj_Upazila" \o ")', 18),

(19, '[Meghna](https://en.wikipedia.org/wiki/Meghna_Upazila" \o ")', 18),

(20, '[Muradnagar](https://en.wikipedia.org/wiki/Muradnagar_Upazila" \o "Muradnagar Upazila)', 18),

(21, '[Nangalkot](https://en.wikipedia.org/wiki/Nangalkot_Upazila" \o "Nangalkot Upazila)', 18),

(22, '[Titas](https://en.wikipedia.org/wiki/Titas_Upazila" \o ")', 18),

(23, '[Chandpur Sadar](https://en.wikipedia.org/wiki/Chandpur_Sadar_Upazila" \o "Chandpur Sadar Upazila)', 16),

(24, '[Faridganj](https://en.wikipedia.org/wiki/Faridganj_Upazila" \o ")', 16),

(25, '[Haimchar](https://en.wikipedia.org/wiki/Haimchar_Upazila" \o ")', 16),

(26, '[Haziganj](https://en.wikipedia.org/wiki/Haziganj_Upazila" \o "Haziganj Upazila)', 16),

(27, '[Kachua](https://en.wikipedia.org/wiki/Kachua_Upazila,_Chandpur" \o ")', 16),

(28, '[Matlab Uttar](https://en.wikipedia.org/wiki/Matlab_Uttar_Upazila" \o "Matlab Uttar Upazila)', 16),

(29, '[Matlab Dakshin](https://en.wikipedia.org/wiki/Matlab_Dakshin_Upazila" \o ")', 16),

(30, '[Shahrasti](https://en.wikipedia.org/wiki/Shahrasti_Upazila" \o "Shahrasti Upazila)', 16),

(31, '[Brahmanbaria Sadar](https://en.wikipedia.org/wiki/Brahmanbaria_Sadar_Upazila" \o "Brahmanbaria Sadar Upazila)', 15),

(32, '[Ashuganj](https://en.wikipedia.org/wiki/Ashuganj_Upazila" \o "Ashuganj Upazila)', 15),

(33, '[Nasirnagar](https://en.wikipedia.org/wiki/Nasirnagar_Upazila" \o ")', 15),

(34, '[Nabinagar](https://en.wikipedia.org/wiki/Nabinagar_Upazila" \o "Nabinagar Upazila)', 15),

(35, '[Sarail](https://en.wikipedia.org/wiki/Sarail_Upazila" \o "Sarail Upazila)', 15),

(36, '[Kasba](https://en.wikipedia.org/wiki/Kasba_Upazila" \o ")', 15),

(37, '[Akhaura](https://en.wikipedia.org/wiki/Akhaura_Upazila" \o ")', 15),

(38, '[Bancharampur](https://en.wikipedia.org/wiki/Bancharampur_Upazila" \o "Bancharampur Upazila)', 15),

(39, '[Bijoynagar](https://en.wikipedia.org/wiki/Bijoynagar_Upazila" \o "Bijoynagar Upazila)', 15),

(500, '-', 65);