

PMGSY Mahingaon Chock to Mina Gaon

Schedule XLV-Form No. 134

ST

R. N. D. MORKS

DIVISION

K ISHANINGANT-1

R. N. D. MORKS

SUB-DIVISION

K ISHANINGANT

MEASUREMENT BOOK

Ghazgaon Ham

MBNO-2075

Name of work—
 Situation of work—
 Agency by which work is executed—
 Date of measurement—
 No. and date of agreement.
 (These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1st on A/C Bell				
C.H.:-	MMGSY				
Name of road:-	PMGSY Mahanagar				
	Chauk to Minsga				
Agency	Ghaznafar Alam				
	Kishanpur				
Agreement No	34/MMGSY /				
	SBD / 2020-2021				
Date of work	17-6-2020				
Date of Completion	16-6-2021				

Date of measurement: 05.12.20				
Measurement:				
1/1	providing and fixing working Bench mark			1.43 km
2/2	providing and fixing Ref. pillar			1.43 km
3/3	Cleaning and grubbing road land			
	2x4x30	x1.125	=	270 m ²
	2x6x30	x1.125	=	405 m ²
	2x1x20	x1.125	=	45 m ²

Continuation

720 m²

4th and final Bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Attn: Construction of Road from Mihisy Malingan Chodk to Maina Maon in Kishanganj Block. Agency: Chhaz. netai A. Lam Kishanganj Ag. NO 34/MIMHSY/SB2/2020-21 Date of start :- 17-06-2020 Date of completion :- 16-06-2021 Date of measurement :-					

Measurement Contd.					
(1) Construction of Embankment					
with material obtained from					
barrow pits level upto 10cm :-					
C.H.	Full Area	Mean Area	Dist.	-	Full Volume
0	0.666	0.000	0	-	0.000
50	0.088	0.327	50	-	18.850
100	1.235	0.662	50	-	33.075
150	0.033	0.634	50	-	31.700
200	1.255	0.644	50	-	32.200
250	1.089	1.172	50	-	58.600
300	0.065	0.577	50	-	28.850
350	0.011	0.038	50	-	1.900
400	0.038	0.025	50	-	1.225

Continuation

430	0.125	0.082	30	-	2.46 m ³
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Total = 208.81 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Construction of subgrade and earthen shoulders with material obtained from borrow pits - - -					
	4	30	$\frac{15.90 + 6.60}{2} \times 0.30$		225 m ²
	10	30	$\frac{6.50 + 6.90}{2} \times 0.30$		603 m ²
	1	10	$\frac{6.70 + 6.90}{2} \times 0.30$		20.40 m ²
					Total: 848.40 m ²

Measurement Contd.					
(1) Construction of granular sub base with grading 1 material					
thick as per - - -					
	1	30	4.05×0.20		24.30 m ²
(2) P/L & laying of R.C. pipe					
of 300 mm ϕ for irrigation purpose					
	4	3	2.50		30 Km

Continuation

Continuation

2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822

AE

Continuation

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Particulars	Details of actual measurement				
	No.	L.	B.	D.	
East & shoulder sides of 1st B.M.					
	2	20	30	1.15	$2 \times 20 \times 30 \times 1.15 \times 0.075 = 103.50$
	2	10	30	1.15	$2 \times 10 \times 30 \times 1.15 \times 0.075 = 31.25 \text{ m}^2$
	2	1	30	1.20	$2 \times 1 \times 30 \times 1.20 \times 0.075 = 5.40 \text{ m}^2$
2nd part					
	2	16	30	1.20	$2 \times 16 \times 30 \times 1.20 \times 0.075 = 86.40 \text{ m}^2$
	2	1	20	1.10	$2 \times 1 \times 20 \times 1.10 \times 0.075 = 3.30 \text{ m}^2$
Total:					280.35 m ²
 10/3/22 AE					 10/3/22 AE

Measurement Contd					
(1) Road marking with hard applied thermoplastic compound of 2.5 mm thick:-					
		$2 \times 20 \times 30 \times 0.100$			$= 120 \text{ m}^2$
		$2 \times 11 \times 30 \times 0.100$			$= 66 \text{ m}^2$
2nd part		$2 \times 16 \times 30 \times 0.100$			$= 96 \text{ m}^2$
		$2 \times 1 \times 20 \times 0.100$			$= 4 \text{ m}^2$
Rebar covering. $3 \times 3.35 \times \frac{1}{2}$					$= 5.62 \text{ m}^2$
Total:					291.62 m^2
					<i>(Signature)</i> 10/3/22 AE <i>(Signature)</i> 11/10/22 AE

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Providing PCC 14-15 grade Km stake					
					:- 3.0 Nos
					Limit :- 2.0 Nos
(3) Providing PCC 14-15 grade 200 m stake					
					:- 5.0 Nos
(4) Providing & lining of Retro reflective cautionary, mandatory and informative sign board -					
(i) 900 mm equilateral triangle					:- 4.0 Nos
(ii) 600 mm Circular (Speed limit)					:- 3.0 Nos
(iii) 800 mm x 300 mm rectangular					:- 3.0 Nos
(iv) 900 mm side octagon					:- 4.0 Nos
(5) Providing direction and place identification board					:- 1.0 Nos
(6) Providing & lining of advisory informative board & maintenance board -					:- 3.0 Nos

Continuation

Continuation

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) Providing and lining of existing Benchmarks					
1.43 km, (vide TMBP-20)					
① Rs. 3824.24/km Rs. = 5469.00					
2) Providing and lining of reference pillars					
1.43 km, (vide TMBP-20)					
② Rs. = 1245.10/km Rs. = 2495.00					
3) Clearing and grubbing road					
1.32 Hect, (vide TMBP-20)					
③ Rs. 57133.76/Hect. Rs. = 16.363.00					
4) Construction of embankment with material local upto 100m					
462.02 m ² , (vide TMBP-20)					
208.81 m ² , (vide TMBP-25)					
670.84 m ²					
④ Rs. = 141.56/m ² Rs. = 94964.00					
5) Construction of subgrade and earthen shoulder					
2182.49 m ² , (vide TMBP-20)					
848.40 m ² , (vide TMBP-28)					
692 m ² , (vide TMBP-29)					
250.35 m ² , (vide TMBP-30)					
3972.24 m ²					
⑤ Rs. = 177.07/m ² Rs. = 703.542.00					

Continuation

C.O. Rs. = 8,22,889.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Construction of granular sub. base with grading - 1					
material thick as per - - -					
1151.30 m ² (Vide TRIP-20)					
24.30 m ² (Vide TRIP-26)					
1175.60 m ²					
(6) RS- 2701.05/m ² RS- 3175.354:00					
(7) Providing & fixing of infamatory					
21 & maintenance board with					
logo - - - - -					
2.0 Nos (Vide TRIP-21)					
3.0 Nos (Vide TRIP-31)					
5.0 Nos					
(8) RS- 9134.51/Nos RS- 45673:00					
(8) Earthwork in excavation					
22 for structure as per drawing - - -					
325.94 m ³ (Vide TRIP-21)					
(8) RS- 269.32/m ³ RS- 87.982:00					
(9) Providing P.C.C. M-15 (1:2.5:5)					
22 in levelling course as per - - -					
23.82 m ³ (Vide TRIP-21)					
(9) RS- 5079.61/m ³ RS- 120853:00					
(10) P.V. P.C.C. M-20 (1:2:4)					
24 in open foundation as per - - -					
104.02 m ³ (Vide TRIP-21)					
(10) RS- 5662.25/m ³ RS- 589507:00					

Continuation

C.O. RS- 48,42,002:00

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